

## **Historic, Archive Document**

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# SHUMWAY'S SEEDS AND BULBS

PRODUCE THE  
ANTICIPATED  
RESULTS

1932  
62<sup>nd</sup> Year




Vegetable Seed Trials


JAN 12 1932

**R.H.SHUMWAY**  
ROCKFORD, ILL.  
FOUNDED 1870







YELLOW SWEET  
SPANISH ONION  
Pkt. 10c; oz. 30c; 1/4 lb. 85c;  
1/2 lb. \$1.60; lb. \$3.00  
postpaid.




BOUNTIFUL BEANS  
1/2 lb. 17c; 1 lb. 32c; 2 lbs. 60c; 5 lbs.  
\$1.30; 10 lbs. \$2.50 postpaid.




WHITE SWEET SPANISH ONION  
Pkt. 12c; oz. 40c; 1/4 lb. \$1.15; 1/2 lb.  
\$2.20; 1 lb. \$4.25 postpaid.




VICK'S SCARLET GLOBE  
RADISH  
Pkt. 5c; oz. 10c; 1/4 lb. 25c; 1/2 lb.  
40c; lb. 75c postpaid.




OXHEART  
TOMATO  
Pkt. 15c; 1/2 oz. 35c; oz. 60c; 1/4 lb.  
\$2.25 postpaid.




SHUMWAY'S EXTRA EARLY  
MODEL BEET  
Pkt. 10c; oz. 15c; 1/4 lb. 35c; 1/2 lb.  
60c; lb. \$1.15 postpaid.




EARLY CHANTENAY CARROT  
Pkt. 7c; oz. 12c; 1/4 lb. 32c; 1/2 lb. 50c;  
lb. 90c postpaid.



SHUMWAY'S  
MARVELOUS PEAS  
Pkt., 10c; 1/2 lb. 25c; lb.  
45c; 5 lbs. \$2.00; 10 lbs.  
\$3.75 postpaid.



SUGAR ROCK OR HONEY ROCK MUSK  
MELON  
Pkt. 10c; oz. 20c; 1/4 lb. 60c; 1/2 lb. \$1.10; lb. \$2.00  
postpaid.



GOLDEN ACRE  
CABBAGE  
Pkt. 10c; oz. 40c;  
1/4 lb. \$1.25; 1/2 lb.  
\$2.45; lb. \$4.75  
postpaid.



62 Years—

★ JAN 7 1937 ★  
U. S. Department of Agriculture.R. H. SHUMWAY,  
Founder

THE house of Shumway's Seeds and Bulbs was founded in 1870 by R. H. Shumway and continues in operation by the Shumways following. There is a tradition that must be carried on and that is: a sense of duty between ourselves and the tillers of the soil. That duty is the delivery of seeds and bulbs of the highest grade it is humanly possible to produce. This has been done, over the 62 years of operation, and will be done in the years to come, so as to justify your patronage. It is reasonable to expect superior types of vegetables and flowers, but these perfected strains only come with painstaking care and judgment in selection, which manifests itself in a house with an ideal and a sense of responsibility.

M. R. SHUMWAY,  
President & General Manager

Our seeds are properly grown and cared for by people experienced in the business. The warerooms are kept at correct temperatures and moisture conditions for seeds. Sample tests for germination are made at different times. We appreciate the value and necessity of true type and high germination of seeds. Therefore, no substitutions are made unless the customer specifies them. If we are sold out of any items we return money. We make no extravagant statements of the varieties listed but do try to give an honest description of the various types of vegetables and flowers we offer for sale.

All orders must be delivered to the entire satisfaction of the customer. Seed may be subjected to any test for germination the customer desires.

**"A Garden Is a Shock Absorber for Hard Times"**

A space 30x40 ft., when properly rotated and cared for, will provide vegetables for a family of five during the summer. Also will allow for canning and winter storage.

See GARDEN SUGGESTIONS throughout the catalog.

All remittances are to be made with the orders, by an approved method. Money orders, bank draft or certified check. If currency is used it is well to register the letter, and even then it is not as safe as a money order. Any charge you have in regard to

money order, express order or registered letter on an order of \$1.00 or more you may deduct from your remittance. No goods shipped C. O. D., unless 25% of the purchase accompanies the order.

**NOTICE**

Everyone knows that temperature, soil, moisture and care all have their part in the success of plant life. If after considering these conditions in a reasonable way, you still feel the quality of the seed is at fault, we will either replace the seed, so you can try again, or refund the original purchase price of the item at fault. This will be done anytime during the current growing season.

We guarantee safe arrival of your order, and the seeds and bulbs up to the value of the purchase price. However, in common with all reliable seedsmen, we give no warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter, of seeds or bulbs sent out, and will not be in any way held responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once. Any money that may have been paid for them will be refunded.

(Signed) R. H. SHUMWAY, SEEDSMAN

M. R. SHUMWAY, Pres.

**CLUB ORDERS**

Solicit your friends and neighbors for their garden seed orders. Send their orders in with yours, giving name and address of each. For this courtesy you may deduct 10% from each order taken amounting to \$1.00 or more, and apply the amount as part payment on your own seed requirements.

WE PAY POSTAGE AND EXPRESS on all seeds except where ordered from Pages 2 and 41. When a quantity is ordered at wholesale prices we reserve the right to inclose with the shipment the smaller packages which were ordered at the mail price and for this privilege we inclose with every order EXTRA PACKAGES OF SEEDS FOR TRIAL which will amply repay you for this courtesy. With all orders we inclose additional packages of seeds for trial which we trust you will plant and report on their merits or faults.

**Asparagus**

There is no doubt but what Asparagus is one of our most liked spring vegetables. It seems as if there should be an Asparagus bed in every garden. One ounce produces about 250 plants, 4 to 5 lbs. to the acre.

**GIANT OR PALMETTO**

An early variety that produces very large straight stalks. Adapted to all parts of the country. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

**CONOVERS COLOSSAL**

One of the standard large varieties of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

**BARR'S MAMMOTH**

This is a large quick growing tender variety widely used by many gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

**PEDIGREED WASHINGTON**

This variety is the result of very careful breeding by the experimental department of Agriculture at Washington, resulting in a strain that is considered rust resistant. The tips are tight and firm and do not begin to branch until the stalk is well above the surface. This feature makes it a very desirable variety for home as well as market use. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25.

**MARTHA WASHINGTON**

A later development of the above considered as rust resistant and equally as desirable for market purposes. The tips have a pinkish cast. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

**ASPARAGUS ROOTS**

We offer the following only in strong, healthy, 2 year old roots:

Martha Washington. 45c per doz. \$2.25 per 100. Postage Paid.  
Pedigreed Washington. 40c per doz. \$2.00 per 100. Postage Paid.

Palmetto. 35c per doz. \$1.75 per 100. Postage Paid.  
50 roots at the hundred rate.

Not prepaid and larger quantities listed on page 2.



Asparagus

**Artichoke**

Large Green Globe. A vegetable that is perennial in nature but should be renewed every two or three years. This variety is grown for its edible blossoms which are very tasty and unique in flavor. The plants thrive in deep rich soil and should be set in rows 3 feet apart and 2 to 3 feet apart in the row. During the winter the crowns should be covered with coal ashes so as to shed water and over this a covering of leaves held down by earth. In the spring remove the leaves but do not take the ashes away until the growth appears, after which spread the ashes over the ground. Seed may be started indoors in pots and set out in April or May dependent on your locality, or sow in hills outside and thin out 1 plant to a hill. Pkt., 10c; ½ oz., 40c; oz., 70c.



## MARKET GARDENERS AND TRUCKERS

## 1932 Wholesale Bulk Prices (Not Prepaid)

The purchaser must pay transportation charges when seeds are ordered at these prices. No charge will be made for bags or boxes.

## BEANS

	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Bountiful .....	\$0.85	\$1.60	\$3.90	\$7.65	\$15.00
Full Measure .....	.85	1.60	3.90	7.65	15.00
Tennessee Green Pod .....	.85	1.60	3.90	7.65	15.00
Burpee's Stringless Green Pod .....	.75	1.40	3.45	6.75	13.00
Refugee or 1000 to 1 .....	.80	1.55	3.80	7.50	14.75
Dwarf Horticultural .....	.90	1.70	4.25	8.40	16.50
Black Valentine .....	.80	1.50	3.70	7.15	14.00
Giant Stringless Green Pod .....	.80	1.50	3.75	7.30	14.50
Impr. Round Pod Valentine .....	.75	1.40	3.45	6.75	13.00
Pencil Pod Black Wax .....	.85	1.65	4.00	7.90	15.50
Improved Golden Wax .....	.85	1.65	4.15	8.15	16.00
Prolific Black Wax .....	.80	1.55	3.80	7.50	14.75
Brittle Wax .....	.85	1.65	4.15	8.15	16.00
Sure Crop Stringless .....	.85	1.65	4.15	8.15	16.00
Shumway's Rust Proof Wax .....	.85	1.65	4.15	8.15	16.00
Wardwell's Kidney Wax .....	.85	1.60	3.90	7.65	15.00
Davis White Kidney Wax .....	.85	1.60	3.90	7.65	15.00
Old Homestead .....	.85	1.65	4.00	7.90	15.50
Golden Pod Wax Pole .....	.95	1.80	4.50	8.85	17.50
Cut Short or Cornfield Pole .....	.85	1.65	4.00	7.90	15.50
Golden Cluster Wax Pole .....	.80	1.65	4.15	8.15	16.00
White Creaseback .....	.85	1.65	4.00	7.90	15.50
Lazy Wife Pole .....	.85	1.65	4.15	8.15	16.00
King of the Garden Pole Lima .....	1.00	1.90	4.65	9.15	18.00
Large White Lima .....	1.00	1.90	4.65	9.15	18.00
Fordhook Bush Lima .....	1.15	2.20	5.40	10.65	21.00
Burpee's Bush Lima .....	1.10	2.00	4.90	9.15	19.00
Henderson's Bush Lima .....	.85	1.65	4.00	7.90	15.50
Shumway's White Mexican .....	.65	1.20	2.90	5.65	11.00
Large White Marrow .....	.80	1.50	3.70	7.25	14.00
White Navy Field .....	.50	.90	2.25	4.25	8.00
Long White Kidney .....	.75	1.45	3.50	6.85	13.50
Lang Red Kidney .....	.70	1.30	3.15	6.15	12.00

## PEAS

	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Hundredfold or Blue Bantam .....	\$0.90	\$1.75	\$4.25	\$8.40	\$16.50
Champion of England .....	.85	1.60	3.90	7.65	15.00
Laxton's Progress .....	.90	1.75	4.25	8.40	16.50
Thomas Laxton .....	.85	1.60	3.90	7.65	15.00
Little Marvel .....	.90	1.70	4.15	8.15	16.00
Nott's Excelsior .....	.85	1.60	3.90	7.65	15.00
Bliss Everbearing .....	.90	1.70	4.15	8.15	16.00
Alaska .....	.75	1.35	3.25	6.25	12.00
Ameer .....	.85	1.60	3.80	7.50	14.75
Premium Gem .....	.85	1.60	3.90	7.65	15.00
McLean's Little Gem .....	.85	1.60	3.90	7.65	15.00
Improved Large Telephone .....	.85	1.65	4.00	7.90	15.50
Shumway's Perfection .....	.85	1.65	4.00	7.90	15.50
Laxtonian .....	.90	1.75	4.25	8.40	16.50
American Wonder .....	.85	1.60	3.90	7.65	15.00
Dwarf Telephone or Daisy .....	.90	1.70	4.15	8.15	16.00
Gradus or Prosperity .....	.85	1.60	3.90	7.65	15.00
First and Best .....	.75	1.35	3.25	6.25	12.00
Shumway's Extra Early Philadelphia .....	.75	1.35	3.25	6.25	12.00
Large White Marrowfat .....	.75	1.35	3.25	6.25	12.00
Improved Stratagem .....	.85	1.65	4.00	7.90	15.50
Alderman .....	.85	1.65	4.00	7.90	15.50
Sutton's Excelsior .....	.85	1.60	3.90	7.65	15.00
Horsford's Market Garden .....	.80	1.50	3.70	7.25	14.00
Melting Sugar .....	.95	1.80	4.40	8.65	17.00

## SWEET CORN

	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Howling Mob .....	\$0.80	\$1.55	\$3.80	\$7.50	\$14.75
Golden Sunshine .....	.90	1.75	4.30	8.50	16.75
Golden Bantam .....	.75	1.45	3.65	7.00	13.75
Shumway's Gardeners' Extra Early .....	.85	1.60	3.95	7.65	15.25
Kendall's Early Giant .....	.80	1.55	3.80	7.50	14.75
Country Gentleman .....	.85	1.60	3.90	7.65	15.00
Stowell's Evergreen .....	.85	1.60	3.90	7.65	15.00
Early Evergreen .....	.85	1.60	3.90	7.65	15.00
Select White Evergreen .....	.85	1.65	4.00	7.90	15.50
Mammoth Early Sugar .....	.85	1.65	4.15	8.15	16.00
Golden Evergreen .....	.85	1.65	4.00	7.90	15.50
Mammoth White Cory .....	.80	1.50	3.70	7.25	14.00
Early Minnesota .....	.75	1.40	3.30	6.50	12.75
White Mexican .....	.85	1.60	3.90	7.65	15.00
Black Mexican .....	.85	1.60	3.90	7.65	15.00
Extra Early Adams .....	.65	1.20	2.75	5.25	10.00
Champion Sugar .....	.85	1.60	3.90	7.65	15.00

## ASPARAGUS

	¼ lb.	½ lb.	lb.	5 lb.
Giant or Palmetto .....	.20	.35	.60	
Conover's Colossal .....	.20	.35	.60	
Barr's Mammoth .....	.20	.35	.60	
Pedigreed Washing- ton .....	.35	.65	1.25	
Martha Washington .....	.40	.70	1.35	

ASPARAGUS  
ROOTS

	100	500	1000
Palmetto .....	1.10	5.00	9.50
Martha Washing- ton .....	1.45	6.50	12.50
Washington Pedi- greed .....	1.40	6.25	12.00

## BEET

	¼ lb.	½ lb.	lb.	5 lb.
Detroit Dark Red Turnip .....	.25	.45	.80	3.75
Crosby's Egyptian .....	.22	.40	.75	3.35
Extra Early Egyptian .....	.22	.40	.75	3.35
Extra Early Model .....	.30	.55	1.05	4.65

	¼ lb.	½ lb.	lb.	5 lb.
Swiss Chard, Lucullus .....	.30	.50	.90	4.00
Extra Early Dark Beauty .....	.30	.55	1.00	4.50
Early Wonder .....	.22	.40	.75	3.35
Market Gar- deners' or Half Long .....	.20	.35	.65	3.00
Early Eclipse .....	.20	.35	.65	3.00
Early Lentz .....	.20	.35	.65	3.00
Crimson Purple Globe .....	.20	.35	.65	3.00
Imp. Ex. Long Dark Blood .....	.20	.35	.65	3.00
Extra Early Dark Blood Turnip .....	.22	.40	.75	3.35
Mammoth Long Red Mangel .....	.15	.25	.45	2.00
Klein Wanz- leben .....	.15	.25	.45	2.00
Imperial White Sugar .....	.15	.25	.45	2.00
Golden Tankard Mangel .....	.17	.27	.50	2.25
Globe Shape Mangel Wurtzel .....	.15	.25	.45	2.00
Sludstrup .....	.17	.27	.50	2.25

## CABBAGE

	¼ lb.	½ lb.	lb.
Golden Acre .....	1.20	2.30	4.50
Glory of Enkhuizen .....	.60	1.10	2.10
Newark Early Dutch .....	.60	1.10	2.10
Extra Early Express .....	.55	1.05	2.00
Early Summer .....	.60	1.10	2.10
Early Winnigstadt .....	.60	1.10	2.00
Charleston Wakefield .....	.65	1.20	2.25
Early Jersey Wakefield .....	.65	1.20	2.25
Copenhagen Market .....	.75	1.40	2.70
Wisc. Hollander No. 8 .....	1.25	2.35	4.50
Wisc. All Season .....	1.10	2.00	3.75
Excelsior Late Flat Dutch .....	.60	1.10	2.10
All Seasons .....	.60	1.10	2.10
Premium Late Flat Dutch .....	.60	1.10	2.10
Autumn King .....	.50	.95	1.80
Hartman's Re-selected Copenhagen Market .....	1.15	2.20	4.25
Improved Surehead .....	.65	1.20	2.25
Danish Ballhead .....	.80	1.45	2.75
Shumway's Hollander .....	.70	1.35	2.65
All Head Early .....	.60	1.10	2.00
Perfection Drumhead Savoy .....	.65	1.20	2.25
Mammoth Red Rock .....	.65	1.20	2.25
Early Spring .....	.65	1.20	2.25
Large Late Drumhead .....	.60	1.10	2.10

## CARROTS

	¼ lb.	½ lb.	lb.	5 lb.
Early Chantenay .....	.25	.40	.75	3.50
Nantes or Coreless .....	.27	.45	.85	3.90
Shumway's Scarlet Perfection .....	.40	.70	1.30	6.25
Early Market Favorite .....	.35	.60	1.10	5.00
Danver's Half Long .....	.25	.40	.75	3.50
Early Scarlet Horn .....	.20	.38	.70	3.25
Oxheart or Guerande .....	.20	.38	.70	3.25
Early Long Forcing .....	.35	.60	1.10	5.00
Long White Belgian .....	.18	.30	.50	2.30
Impr. Long Orange .....	.20	.38	.70	3.25

## MARKET GARDENERS AND TRUCKERS.

## COMPARE PRICES!

Our Quality and Germination Is High.

Prices Low!

Will Meet Any Legitimate Competition on Equal Basis.

## CELERY

	¼ lb.	½ lb.	lb.
Golden Self Blanching .....	1.15	2.20	4.25
Giant White Solid .....	.60	1.10	2.00
Golden Plume .....	2.00	3.85	7.50
Kalamazoo .....	.60	1.10	2.00
White Plume .....	.75	1.35	2.50
Giant Pascal .....	.80	1.45	2.75

## CUCUMBER

	¼ lb.	½ lb.	lb.	5 lb.
Shumway's Longfel- low .....	.65	1.20	2.25	10.00
Early Fortune .....	.35	.60	1.00	4.50
Imp. Long Green .....	.35	.60	1.00	4.50
Shumway's Fancy Pickling .....	.28	.50	.90	4.00
Davis Perfect .....	.35	.60	1.00	4.50
Early Long Green .....	.28	.50	.90	4.00
Everbearing .....	.25	.45	.80	3.60
White Wonder .....	.50	.95	1.80	8.50
Westerfield's Chi- cago Pickling .....	.25	.45	.80	3.60
Climbing Japanese .....	.40	.70	1.35	6.25
Imp. White Spine .....	.25	.45	.80	3.60
Early Green Cluster .....	.25	.45	.80	3.60
Cool and Crisp .....	.25	.45	.80	3.60
Green Prolific .....	.25	.45	.80	3.60
Evergreen .....	.25	.45	.80	3.60
Fordhook Pickling .....	.25	.45	.85	3.80
Shumway's Great Giant .....	.65	1.20	2.25	10.00
Short Green .....	.25	.45	.80	3.60

## LETTUCE

	¼ lb.	½ lb.	lb.
Big Boston .....	.35	.65	1.20
Early Curled Simpson .....	.32	.60	1.10
Chartier .....	.30	.55	1.00
New York .....	.50	.95	1.80
Grand Rapids .....	.35	.65	1.20
Prizehead .....	.35	.65	1.20
Black Seed Simpson .....	.35	.65	1.20
Paris White Cos .....	.32	.60	1.10
Denver Market .....	.32	.60	1.10
May King .....	.35	.65	1.20
All the Year Round .....	.32	.60	1.10
Giant Crystal Head .....	.32	.60	1.10
Tomhannock .....	.35	.65	1.20
Hardy Green Winter .....	.45	.80	1.50
California Cream Butter .....	.32	.60	1.10
Salamander .....	.30	.55	1.00

## MELON (MUSK)

	¼ lb.	½ lb.	lb.	5 lb.
Bender's Surprise .....	.35	.65	1.20	5.25
Hearts of Gold .....	.32	.60	1.10	5.00

	¼ lb.	½ lb.	lb.	5 lb.
Sugar Rock .....	.50	.95	1.80	8.50
Burrell's Gem .....	.25	.45	.80	3.75
Tip Top .....	.30	.55	1.00	4.50
Rockyford .....	.25	.45	.80	3.75
Osage .....	.30	.55	1.00	4.50
Lake Champlain .....	.40	.70	1.35	6.25
Acme or Baltimore Market .....	.27	.50	.90	4.15
Early Grand Rapids .....	.27	.50	.90	4.15
Honey Dew .....	.35	.65	1.20	5.25
Early Hackensack .....	.27	.50	.90	4.15
Banana .....	.32	.60	1.10	5.00
Early Green Nutmeg .....	.22	.40	.70	3.15
Emerald Gem .....	.25	.45	.80	3.75
Milwaukee Market .....	.35	.65	1.20	5.25
Shumway's Giant .....	.45	.85	1.60	7.50
Princess or Ideal .....	.27	.50	.90	4.15
Hales Best or H. B. .....	.35	.65	1.20	5.25

## MELONS (WATER)

	¼ lb.	½ lb.	lb.	5 lb.
Klondike .....	.40	.70	1.30	6.00
Stone Mountain .....	.35	.60	1.10	5.00
Reuter's Wondermelon .....	.30	.50	.90	4.25
Harris Earliest .....	.20	.35	.65	3.00
Kleckly's Sweet .....	.25	.40	.75	3.50
McIver's Wonderful Sugar .....	.23	.38	.70	3.25
Tom Watson .....	.25	.40	.75	3.50
Cole's Early .....	.20	.35	.65	3.00
Irish Grey .....	.25	.40	.75	3.50
Golden Honey .....	.30	.50	.90	4.15
Halbert Honey .....	.25	.40	.75	3.50
Large Striped Gypsy .....	.25	.40	.75	3.



# Beans

## Dwarf or Bush Green Pod

### Culture DWARF OR BUSH

Beans should be planted after the weather has become settled, which is about the middle of May, in the latitude of Northern Illinois. Almost any soil will do for beans, but it is better if they can be planted in a rich, sandy loam; the returns will be far greater. The seed should be sown in rows two feet apart and the beans dropped about 3 to 4 inches apart in the row covering them about 2 inches deep. They should be cultivated as soon as they come through the ground, slightly hilling them, when the second and third pair of leaves start to form. This is done to support the plant. Do not cultivate when the dew is on them or immediately following a rain. Beans may be planted in succession about every two weeks up to the first of August.

All varieties of beans should be inoculated for vigorous growth and heavy bearing. You will be well compensated for this slight extra expense and effort. Use "Nitragin."

### Packet Size of Any Variety of Beans, 10c

As Beans are planted two or three different times during the growing season, we feel that  $\frac{1}{2}$  lb. is the least amount anyone would wish for. If you think you need less remit 10c for a packet size of any variety listed.

### Inoculate All Beans

For more vigorous growth and greater yield of Beans use NITRAGIN. Inoculator size for 1  $\frac{2}{3}$  bu. or 100 lbs., 90c; 1 bu. 60c;  $\frac{1}{2}$  bu. 40c; garden size 25c. In ordering specify for Beans.



### GIANT STRINGLESS GREEN POD

An exceptionally productive strain of green pod beans. This variety is one of the biggest sellers we have, being used extensively by the truckers and shippers of the South to provide early beans for the Northern market. The pods are perfectly round and average 6 to 7 inches in length. This variety is not quite as early as the Valentine type, but the quality is far superior; it is stringless and when cooked its flavor is superior to many of the other green pod varieties. Particularly fine for the home garden and market gardeners of the North.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.



### FULL MEASURE

An early long podded stringless green pod bean of high quality. The pods average 6 inches in length, very fleshy and brittle. Heavy yielding variety producing good pods throughout the season. We recommend this variety without exception for early and main crop. On account of its exceptional qualities it can be endorsed without reservation to the large trucker as well as the home gardener.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

### REFUGEE OR 1000 TO 1

This variety is a standard variety a little later than the other green podded sorts. It is widely grown on account of its productiveness. The pods are fleshy, round and slightly curved, almost stringless, 5 to 5 $\frac{1}{2}$  inches in length. It is also a desirable variety for canning and pickling as well as an excellent variety for shipping.  $\frac{1}{2}$  lb., 16c; 1 lb., 30c; 2 lbs., 58c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### GARDEN SUGGESTION

When first planting of beans are through, take out vines and put in second planting of beans or sow turnip for late use.



### BURPEE'S STRINGLESS GREEN POD

This is the leading variety of the green pod classification. Early and very prolific, bearing long, round, thick pods free from string. This variety should be planted for a continuous supply of beans, as it seems to do particularly well under all climatic conditions, even in the extreme hot weather Burpee's Stringless remains tender and delicious in flavor.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

### BLACK VALENTINE

A variety not as early as Red Valentine from which this was developed. The pods are green, nearly round, straight and slender growing in clusters. This variety is used by the large shippers and market gardeners.  $\frac{1}{2}$  lb., 16c; 1 lb., 30c; 2 lbs., 58c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### DWARF HORTICULTURAL OR CRANBERRY

This variety does well in a cool climate. Its growth is compact, upright and vigorous. Very productive. Excellent for shelling and succotash. This variety is very popular in the East.  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.

### TENNESSEE GREEN POD

A second early green pod variety. Because of its excellent flavor and quality it is considered a variety of merit. The pods are irregular, long and flat. Ready in 60 days after planting.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

### IMPROVED ROUND POD VALENTINE

An early standard variety doing well in cool ground. Very popular with the market gardeners as it is very prolific, bearing fleshy round green pods. Ready for table use in 50 days.  $\frac{1}{2}$  lb., 16c; 1 lb., 30c; 2 lbs., 58c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.



### BOUNTIFUL STRINGLESS

(See Inside Front Cover)

This is the most productive, early maturing, stringless, green pod for market gardeners and home garden. The pods are 6 $\frac{1}{2}$  to 7 inches long, straight, quite broad, flat, and light green in color. Excellent flavor, pods are tender and brittle. An excellent variety for shipping to the fancy markets.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**SEE PAGE 2 FOR NOT PREPAID QUANTITY PRICES**





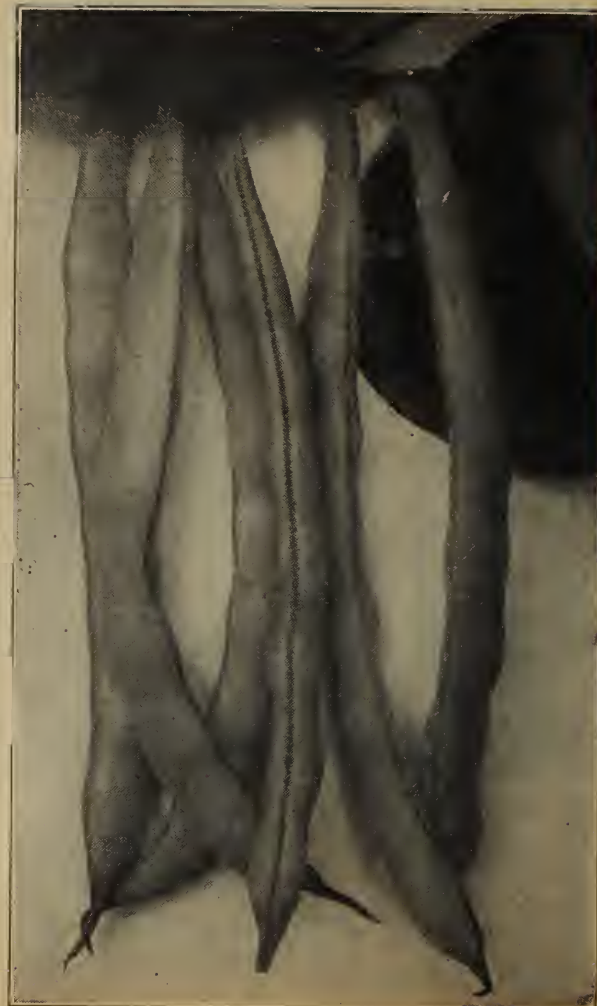
#### PENCIL POD BLACK WAX

An extra early wax bean of the finest quality, absolutely stringless, round pods 6 to 7 inches long. The plants are very vigorous in growth and bear abundantly. Without doubt the best black seeded variety for market and home gardening. Ready for table use in 64 days from time of planting.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.



#### IMPROVED GOLDEN WAX

A medium early, heavy cropper, vines of strong bushy growth. Known for its rust-resistant qualities. The pods are golden-yellow, brittle, fleshy and solid. It has an exquisite rich butter flavor which is particularly known to this variety. An exceptional strain for home use and market gardeners.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.



#### BRITTLE WAX

(See basket on back cover)

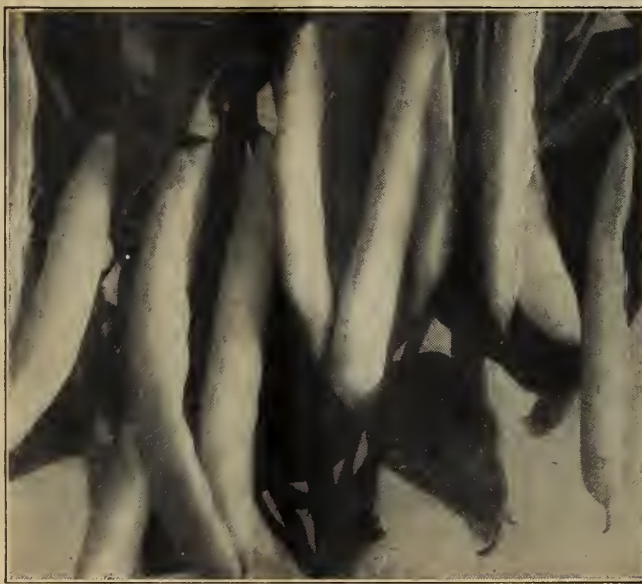
A bean of excellent quality, very early and productive. Pods are long, round and stringless. This is considered the quality bean for home gardens and for market gardeners who sell on a local market.  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.



#### SHUMWAY'S RUST PROOF WAX

A selection out of the Improved Golden Wax for earliness and superior quality. This variety also has the unique buttery flavor. The pods are particularly nice in appearance, large, thick, and semi-flat running particularly fleshy. Its quality is superb, they are tender, brittle and stringless. We know of no better strain of the Golden Wax type.  $\frac{1}{2}$  lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**TRUCK AND MARKET GARDENERS!**  
See Page 2 for Not Prepaid Quantity Prices.



#### SURE CROP STRINGLESS

(Use This Instead of Curries. Far Superior)

This is an excellent meaty flat podded stringless variety; pods average 6 to 7 inches long and are quite thick through. This variety is vigorous in growth and sturdy, also disease resistant. In common with the other black seeded varieties it may be planted earlier than the others. A real variety for market gardeners where the market calls for the flat podded strains. When ready to eat pods are a deep yellow. Ready for table use in 62 days.  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.

#### WARDWELL'S KIDNEY WAX

This early variety is a favorite of the market gardeners. Its attractive golden wax pods are 6 to 7 inches long, fleshy, broad, and brittle, with excellent qualities. Pods are nearly stringless. A variety that does exceptionally well in any climate, therefore is a good variety for rotation. Plants are strong growing and bear the pods well up from the ground. Wardwell's Kidney Wax, due to its beautiful long pods and its golden wax color, brings a ready sale for the market gardener. 60 days from planting to table.  $\frac{1}{2}$  lb., 18c; 1 lb., 34c; 2 lbs., 63c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.

#### DAVIS WHITE KIDNEY WAX

A vigorous grower, very prolific, bearing long, straight, waxy-white pods carried well up from the ground. Excellent shipping variety. Ready in 58 days from planting.  $\frac{1}{2}$  lb., 18c; 1 lb., 34c; 2 lbs., 63c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.



Prolific  
Black  
Wax

#### NITRAGIN

For more vigorous growth and greater yield of Beans use NITRAGIN. Inoculator size for  $\frac{1}{2}$  bu., or 100 lbs., 90c; 1 bu., 60c;  $\frac{1}{2}$  bu., 40c; garden size 25c. In ordering specify for Beans.



## Lima Beans

**CULTURE.** Lima Beans are more susceptible to cold weather and should not be planted until about a week later than snap beans. They are heavy feeders, therefore the soil should be well enriched with manure if possible. This very important fact in the planting of Lima Beans should be observed, they should be placed into the soil EYE down.



**FORDHOOK BUSH LIMA**

This is the finest variety of the potato limas. Pods are large and the beans are very thick and plump, green in color, 4 to 5 beans to the pod. This variety grows very erect and does not allow the beans to touch the ground as some of the other sorts do. This lima is far superior to any other and very profitable to the trucker where the beans are sold in the pods. Always meets with ready sale on the markets.  $\frac{1}{2}$  lb., 23c; lb., 42c; 2 lbs., 80c; 5 lbs., \$1.70; 10 lbs., \$3.25, postpaid.

**BURPEE'S BUSH LIMA**

A bush type of the Large White Lima. Beans of the same size. It is considered one of the most desirable lima beans introduced, growing only 20 inches high and branching freely, bearing heavily.  $\frac{1}{2}$  lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75, postpaid.

**HENDERSON'S BUSH LIMA**

This is without doubt the very earliest of all the Lima beans, but it is not as large as the others. It is more prolific and produces more than twice as many pods to each plant. The quality is excellent, being rich and delicious, plants bear continuously.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.

## Pole Beans



### CULTURE:

**POLE BEANS** also require a rich soil, other than that they are handled the same as the **BUSH BEANS** with the exception of providing poles for them to climb on, furthermore, it is well to plant in hills rather than in rows.

## Recipes for Lima Beans

**NOTICE:** Lima beans are one of our most palatable vegetables. Have you ever used them in the following recipes? They are all new.

**Lima Beans Au Gratin.** Shell out the beans and place in a baking dish, pouring over them a white sauce, which any recipe book will give you the method of preparation, grating cheese to the strength that you may desire into same, season with salt, pepper, and butter to suit or instead of butter criss cross strips of bacon over the top and bake in a hot oven for 40 minutes. This is one of the most tasty dishes for the lima beans.

**Lima Bean Croquettes.** Boil the lima beans for 30 minutes, having seasoned with salt, then drain off the water and mash, season to taste with salt and pepper. Then form into patties and fry in butter or bacon grease. This is a wonderful substitute at any time for meat.

**Lima Bean Salad.** Boil the shelled fresh limas for 30 minutes, having seasoned with salt. Drain off the water and allow to cool, set in icebox to chill. Serve on lettuce leaves with French dressing and diced celery.

## Pole Limas



**KING OF THE GARDEN**

A variety that produces all through the season. Pods 5 to 8 inches long, well filled with beans of excellent quality.  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; 10 lbs., \$2.85, postpaid.

**LARGE WHITE**

One of the best large pole varieties. Desirable for cooking in both the green as well as the dried stage.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; 10 lbs., \$2.85, postpaid.

For more vigorous growth and greater yield of Beans use **NITRAGIN**. Inoculator size for  $1\frac{1}{2}$  or 100 lbs., 90c; 1 bu., 60c;  $\frac{1}{2}$  bu., 40c; garden size 25c. In ordering specify for Beans.

Packet size of any variety of Beans, 10c

### GARDEN SUGGESTION

In the latitude of Northern Illinois and extending south, beans may be planted as late as the last week in July.

## Dry or Shell Beans

Plant these varieties so as to provide soups, stews, and baked beans, during the fall and winter months.

### SHUMWAY'S WHITE MEXICAN OR PROLIFIC TREE

Selected out of the Navy variety reducing the runners and making it a bush form variety. Very prolific, producing under normal conditions 20 to 30 bushels to the acre. An excellent bean used in the dried stage.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### LARGE WHITE MARROW

Very hardy robust plant bearing large round shaped beans, used when dry for baking or in soups.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### WHITE NAVY FIELD

(Robust strain.) Small white variety which has been greatly improved by practically eliminating the runners. Excellent yielder.  $\frac{1}{2}$  lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.15; 10 lbs., \$2.20, postpaid.

### LONG RED KIDNEY

Good to be used as a shell or dry bean. It is used extensively for canning purposes.  $\frac{1}{2}$  lb., 15c; lb., 27c; 2 lbs., 50c; 5 lbs., \$1.20; 10 lbs., \$2.30, postpaid.

### LONG WHITE KIDNEY

A favorite variety in many markets, desirable as a shell bean for succotash or when dry for baking.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### OLD HOMESTEAD OR KENTUCKY WONDER

An old favorite variety of quality that continues to be our largest selling pole variety. This is the most productive bean in existence. The vines climb well and produce light silvery green pods in clusters from top to bottom of the vine. The pods are stringless and brittle ranging from 9 to 10 inches long. One can readily see that great quantities of beans can be secured from a planting of this truly wonderful variety.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### GOLDEN POD WAX POLE OR KENTUCKY WONDER WAX

This variety resembles the Old Homestead in habit and growth as well as its prolific bearing. The pods are flat, golden yellow in color, waxy and stringless. 10 inches in length.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; 10 lbs., \$2.85, postpaid.

### WHITE CREASEBACK

Vigorous grower, wonderfully productive. Very early white variety, good to cook either green or dry.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### GOLDEN CLUSTER WAX POLE

Produces long, stringless, golden waxy pods. It is early and bears wonderfully all through the season until ruined by frost.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.

### CUT SHORT OR CORNFIELD POLE

A popular variety in the South for planting in the corn, however, it yields well without support. The pods are short and flat. Quality good.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

### LAZY WIFE POLE

Excellent variety for snap as well as shell bean. Long, thick, stringless, green pods.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.

### SCARLET RUNNER POLE BEANS

A variety of bean that we are also listing with the flower seeds, as they are worthy of consideration in that department. Rapid growers with clusters of dazzling scarlet flowers. Beans make a very desirable shell variety for table use. Pkt., 10c;  $\frac{1}{2}$  lb., 30c; lb., 50c; 2 lbs., 85c; 5 lbs., \$1.85, postpaid.

**Truckers and Market Gardeners! See Page 2 for Not Prepaid Quantity Prices**



## Stock or Mangel Beet

Ideal Winter Feed for Cattle. Exceptionally Fine Cut Up for Poultry

**CULTURE:** Sow 5 to 6 lbs. per acre drill or 15-20 lbs. broadcast. All stock should have Mangel Beet in their winter feed. Assures increased milk flow.

### GREAT GIANT OR MAMMOTH LONG RED MANGEL BEET

The largest mangel beet in cultivation of its color, regular shape, growing half out of the ground. Blood red in color, very smooth. The greatest tonnage per acre is secured from this variety. Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

### SLUDSTRUP

The seed of this mangel is produced in Denmark, where mangels are as important to the dairy farmers and stock feeders as corn is in this country. This variety for many times has been awarded the first-class certificate by the Danish government. This is a long yellowish-red cylindrical root that grows over half above the ground making it very easy to harvest. By actual test this variety exceeds others in weight and in feeding value. Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25.

### GOLDEN TANKARD

A smooth, heavy, solid, yellow-fleshed mangel. The flesh is firm and roots are excellent keepers. The roots are cylindrical in shape with a broad shoulder and base. Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25.

### GLOBE SHAPE MANGEL WURTZEL

A desirable variety for planting in shallow soil. Comparatively easy to dig as it has a short oblong root. A good keeper for winter use.

Yellow—Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

Red—Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

### KLEIN WANZLEBEN BEET (Sugar Variety)

High Sugar Content, About 18 Per Cent

An excellent variety for stock food. A good tonnage per acre. Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

### IMPROVED WHITE SUGAR BEET

A large, sweet, choice beet, like the Mangels. Grown extensively for feeding stock, contains a large per cent of sugar. Oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

Great  
Giant  
or  
Mam-  
moth  
Long  
Red  
Mangel

## Swiss Chard or Spinach Beet



This variety of beet is grown exclusively for use as greens; it replaces spinach during the hot summer months. The plants are hardy and will yield all summer long until heavy frosts kill them.

### LUCULLUS

The leaves of this variety of chard are heavily crumpled and savoyed, deep green in color, being nearly the color of spinach. The mid-rib or thick white stalk may be creamed liked asparagus. Do not pull up the plants; cut off the outer leaves and a small patch of it will provide greens all summer long. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.50, postpaid.

### GARDEN SUGGESTION

When first planting of Peas are through, spade in the vines and plant cucumber or put in second planting of Beets or Carrots.

## New and Improved Strains of Vegetables

### BROCCOLI, GREEN SPROUTING

Very Easily Grown

An entirely different and distinct vegetable is known on the fancier markets as Broccoli. This has been a favorite in Europe for some time but recently has been introduced to this country.

Some people confuse it with Cauliflower thinking that it belongs to that class but there is no similarity whatsoever. It forms a rather loose head made up of flower buds. The plants branch freely and each branch terminates in a head or bud cluster. The center heads are cut first and as the side shoots develop they are cut with about 6 inches of stem and bunched for market. Frequently 5 and 6 cuttings are made from one plant.

It is served either hot or cold as a salad. Very delightful when served with Mayonnaise or Hollandaise Sauce.

Broccoli requires 100 to 120 days to maturity. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35; ½ lb., \$2.60; 1 lb., \$5.00.

### SHUMWAY'S MARVELOUS PEAS

(See Inside Front Cover)

Height 16 Inches, Mammoth Pods, Very Sweet

We consider this one of the outstanding varieties of early Peas. The mammoth pods are well filled with exceptional sweet quality peas. The vine is dwarf in nature and a luxuriant green in color. An exceptionally fine home garden variety and particularly nice for the fancy markets. Pkt., 10c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

### GOLDEN GEM SWEET CORN

(See Basket on Back Cover)

An entirely new variety which was developed by the Agricultural College of North Dakota. It is the earliest yellow sweet corn on the market, being a week to 10 days earlier than Golden Sunshine. Ears about the same size as Sunshine but is an 8 to 10 row type. Its early production of ears and exceptional quality makes this variety the outstanding early yellow type. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25, postpaid.

### MEXICAN BANANA SQUASH

The rind is a slate gray in color, flesh very thick, golden, vying with the sweet potato in flavor. Length, 24 inches by 5 or 6 in. diameter. Keeps well into the winter. Edible in 120 days. Pkt., 10c; oz., 18c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.

### STRAIGHTNECK SQUASH

A strain bred up out of Giant Crookneck, as the name implies, to do away with the crook. A much better variety to use for the market gardeners, as they will pack better and there is not the danger of breaking off the neck. Pkt., 10c; oz., 18c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.75, postpaid.

### TENDERGREEN

(Also known as Japanese Mustard Spinach)

A new vegetable used entirely for greens. It has a small root but dark green leaves which have a small rib. It produces greens in 25 to 30 days from seeding, its flavor is quite distinct. Its leaves are twice the size of Swiss Chard but is not "a cut and come again." It is also known as Japanese Mustard Spinach. Pkt., 10c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; lb., 85c.

### BREAK O'DAY TOMATO

The Outstanding Wilt-resistant Variety

A new wilt-resistant tomato that was brought out by Mr. F. J. Pritchard, Washington, D. C. This tomato is globular in shape similar to Marglobe but larger, and as productive. It is about as early as Earliana. We feel that with the development of this new tomato it will displace many of the older types as people come to know it. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

### OXHEART TOMATO

(See Inside Front Cover Page)

A very attractive, extremely large pink tomato. It is almost seedless and in many of the tomatoes the flesh is almost 2 inches thick with almost no seed cavity. It is not uncommon to find specimens that weigh 3 lbs.; larger ones have been found. Because of its unusual shape, large size and its excellent flavor Oxheart is rapidly coming into favor. Outdo your neighbor in size of tomatoes; surprise him as well as yourself. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

## PROTECT YOUR GARDEN



**KALITE.** It is a non-arsenical quick killing dust which controls most chewing insects on vegetables, more especially cabbage worms and beetles. It is economical, adheres well to foliage. The average requirements for most purposes run from 10 to 20 lbs. per acre. Prices: 1 lb. can, 35c; 5 lb. can, \$1.50, postpaid. Not prepaid, 25 lb. drum, \$5.00; 100 lb. drum, \$15.00; 200 lb. barrel, \$28.00.

**KALOIL.** Is a non-poisonous free-flowing Pyrethrum Spray which contains its own spreader and, therefore, needs no soap. It always mixes readily with hard or soft water at all temperatures. Never clogs spray nozzles.

Does not lose strength in storage, is non-inflammable and inexpensive. Kaloil is safe for all foliage when used as directed. Kills principally sucking insects, such as plant lice, thrips, white flies and mealy bugs. 1½ oz. makes 11 gallons maximum dilution. Prices: 1½ oz. can, 35c; 6 oz. can, \$1.00; 32 oz. can, \$3.85; 1 gal. can, \$13.00, postpaid.



**KALO SPRAY.** Is a non-arsenical spray for vegetables, flowers, fruits, including apples and peaches against eating insects such as worms and beetles. Can be mixed with Kaloil and fungicides containing no free lime. 1 lb. makes 50 gals. of spray. Prices: 1 lb. can, 50c; 4 lb. bag, \$1.80, postpaid.

## HAMMOND'S SLUG SHOT

**SLUG SHOT**, the same for over fifty years, is a microscopically fine, reddish colored, insecticide dust which is highly impregnated with fungicides.

It is harmless to plants, both vegetable and flower, yet it is powerfully effective against leaf-eating insects and fungus. It can be used on vegetable plants without fear of harm to humans.

Use **SLUG SHOT** by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Currant Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over half a century of successful use.

### POSTPAID PRICES

1 lb. Round Perforated Tin Top Canister.....\$0.30  
5 lb. Tin Top-Bottom Canister.....1.00  
10 lb. Can.....1.90

### NOT PREPAID PRICES

25 lb. Fibre Bag.....\$ 3.50  
Bulk 125 lb. Keg with Duster.....16.50  
Bulk 250 lb. Barrel with Duster.....33.00



# Beets For Table Use



**EARLY WONDER BEET**  
Very Highly Recommended

One of the earliest and most beautifully shaped beets for bunching purposes. The roots are uniform globe-shaped with clean tap root. The tops are nice size. The skin is dark red, flesh a clear dark red showing no light zones, very tender, sweet and crisp. Its uniformity of shape and color makes it a very desirable variety for market gardeners as well as home use. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$4.00, postpaid.

**EXTRA EARLY ECLIPSE**

Globular shaped root, flesh dark red, zones a lighter shade, sweet and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.

**EXTRA EARLY LENTZ**

A choice strain of extra early Beets, small tops, never stringy or woody. Smooth, perfect shaped variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.

**NOTICE:** If you are in the market for large quantities of beet seed, 10 lbs. or over, write for special quotations.



**SHUMWAY'S EXTRA EARLY MODEL BEET**

(See inside front cover)

This recent introduction was selected for its blood-red color and its smooth uniform globe shape. This strain shows no light rings in the cross section. The tops are not too large, making it ideal for bunching and the tops are very desirable for beet greens. This we consider an especially fine type for the market gardener and for home use. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; lb., \$1.15; 5 lbs., \$5.00, postpaid.

See Page 2 for Not  
Prepaid Prices

## GARDEN SUGGESTION

When first planting of Peas are through, spade in the vines and plant cucumber or put in second planting of beets or carrots.



**MARKET GARDENERS OR  
HALF LONG**

An excellent winter variety. Smooth, rich dark red, tender and crisp. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.

**CRIMSON PURPLE GLOBE**

A second early main crop variety, medium size globe shaped, no side roots and perfectly smooth. The foliage is small, purple bronze in color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.

**IMPROVED EXTRA LONG DARK  
BLOOD BEET**

By careful selection this has been brought to a standard of excellence, uniform in size and shape, very smooth, dark red and sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.



**SHUMWAY'S EXTRA EARLY DARK BEAUTY**

(See Basket on Back Cover)

One of the earliest beets we offer. Beautiful oval shape with a rich dark red color. The flesh is fine grained and cooks up very tender, its flavor is superb. Practically free from side roots and appears very smooth, thus making a good appearance on the market. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; lb., \$1.10; 5 lbs., \$4.50, postpaid.

## BEET CULTURE

1 oz. will sow 50 ft.; 5 to 6 lbs. to the acre

Beets can be sown about the middle of April for the first planting, in the latitude of Northern Illinois. For rotation continue planting every two weeks up to the first of August. The rows should be 18 inches apart; after seeding the soil should be firmly packed down around the seed. Thin out the plants so that they will stand three to four inches apart. Those taken from the rows may be transplanted into other rows or used for beet greens.



**DETROIT DARK RED TURNIP**

Main crop variety unequalled for its desirable size, shape and color. Produces the largest crop of any variety. The extra selected strain that we carry is readily sought for by the market gardening trade. Pkt., 7c; oz., 15c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; lb., 90c; 5 lbs., \$4.25, postpaid.

**EXTRA EARLY DARK BLOOD TURNIP**

Beautiful color and shape, only a few leaves, very small tap root without any side roots. Very smooth and large for an extra early variety. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$3.50, postpaid.



**CROSBY'S EGYPTIAN BEET**

A first early strain of this variety which we consider unequalled in any other variety. The roots are slightly flattened, as illustration shows, making it globe-shaped. This strain is very smooth. The outside color is a dark blood-red with the flesh a shade lighter showing no pronounced zones. An ideal variety for bunching. Decidedly tender and sweet. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$4.00, postpaid.



**EXTRA EARLY EGYPTIAN**

Considered the best variety for forcing an early crop. Roots are dark red, round top and flat beneath, not many tops. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$4.00, postpaid.



# Cabbage

One of the vegetables enjoyed the year around. About the last of February or the first of March sow the seeds of early varieties in a box, transplanting the seedlings into flats a fair distance apart as soon as they are large enough to transplant. When the weather permits set out of doors each day for a little air to help harden them off. About the middle of April, in the latitude of Northern Illinois, or first of May, set into the open ground in rows 2½ feet apart, the plants about 2 feet apart in the row, keep well cultivated. The same method may be used with the second early varieties, transplanting them about the middle of May into the open ground. At this time plant the seed of the late winter varieties in the open ground, about July 1st they are ready to be set into their permanent position. Sprinkle SLUG SHOT or Kalite over the plants if the cabbage worm appears.



## COPENHAGEN MARKET (EARLY)

One of the earliest large heading varieties. Now in great demand and used extensively to follow first early, very popular with the market gardeners. Heads solid, round and perfect form, weighing about 10 pounds. This variety outyields the other early varieties per acre on account of its compact growing as they can be set closer together. Pkt., 10c; oz., 30c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.90.

## EARLY SUMMER

A second early variety, maturing large, solid, flat heads with short outer leaves, therefore can be planted very close in rows. Pkt., 8c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



## GOLDEN ACRE

(See inside front cover)

This variety is a selection out of Copenhagen Market; selected to produce earlier and smaller heads than the parent type. Heads are round, solid, and of excellent quality. The compact plants have few outer leaves. The leaves are light green and thick. This strain we consider very superior, known to be uniform in size, shape and maturity. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; ½ lb., \$2.45; lb., \$4.75.



## NEWARK EARLY DUTCH

Also known as Stein's Early Flat Dutch. A valuable second early variety, solid heads weighing 10 to 12 lbs. Considered one of the best in this class, as it stands long without bursting. This variety used extensively by the cabbage growers in Texas. Pkt., 8c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.

## GARDEN SUGGESTION

Set Tomatoes, Cabbage, Egg Plant or Pepper plants about 2 to 3 ft. apart in the lettuce or radish rows. This aids in diversification where garden space is limited.



## GLORY OF ENKHUIZEN

An excellent medium early short stemmed cabbage that is widely used in the Cabbage growing sections. A very fine shipper. Medium sized dark green heads, very nearly round. It is larger and a little later than Copenhagen Market and produces a heavy tonnage per acre. Pkt., 8c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.

## EARLY JERSEY WAKEFIELD

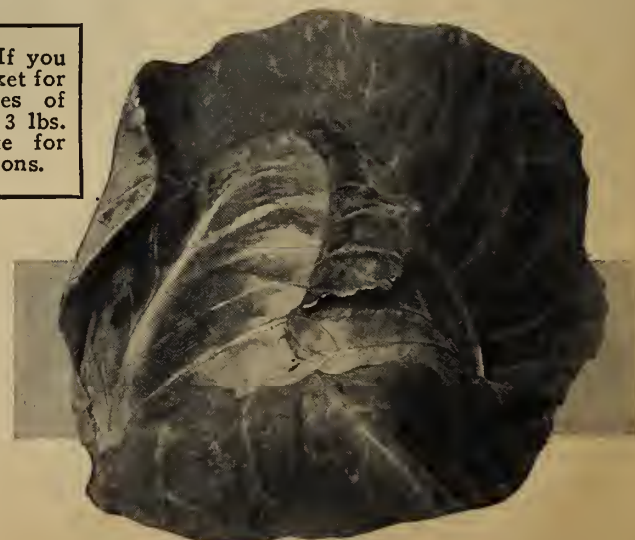
An extra early cone shaped head cabbage. Its earliness and hard heading makes this one of the most desirable for early markets. Successfully grown anywhere in the United States. Seed we have to offer of this variety is produced on Long Island, generally conceded as producing the finest seed. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.



## CHARLESTON WAKEFIELD

This variety is very similar to Jersey Wakefield but it is a few days later and the heads considerably larger. Long Island seed from selected stock. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.

**NOTICE:** If you are in the market for large quantities of cabbage seed, 3 lbs. or over, write for special quotations.



## EXTRA EARLY EXPRESS

Compact oval head large for the size of the plant. Thicker and less pointed than the Wakefield type. Pkt., 7c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.15; lb., \$2.15.



## Yellows Resistant Varieties:

Within the last twelve years the spread of the disease known as cabbage yellows has become very pronounced and can now be found over the entire middle west.

Various governmental experiment stations have been working on this problem and we are now able to offer two varieties which are very largely immune to the disease.

The disease is easily identified by the gradual yellowing of the plant, beginning generally on one side and spreading around until the whole plant dies. If you notice this condition on your place or in cabbage near you, Yellows resistant strains should be planted.



**WISCONSIN HOLLANDER NO. 8**

Bred for resistance from a selected strain of Danish Ball Head, produces large round heads, very heavy crop and an excellent storage cabbage. Pkt., 10c; oz., 45c;  $\frac{1}{4}$  lb., \$1.30;  $\frac{1}{2}$  lb., \$2.45; lb., \$4.75.

**WISCONSIN ALL SEASONS**

A medium season flattened cabbage bred from one of the old standard varieties to be especially immune to Yellows disease—produces a large head and is well bred, uniform and hardy. An excellent Kraut cabbage. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20;  $\frac{1}{2}$  lb., \$2.25; lb., \$4.00.



**EXCELSIOR LATE FLAT DUTCH**

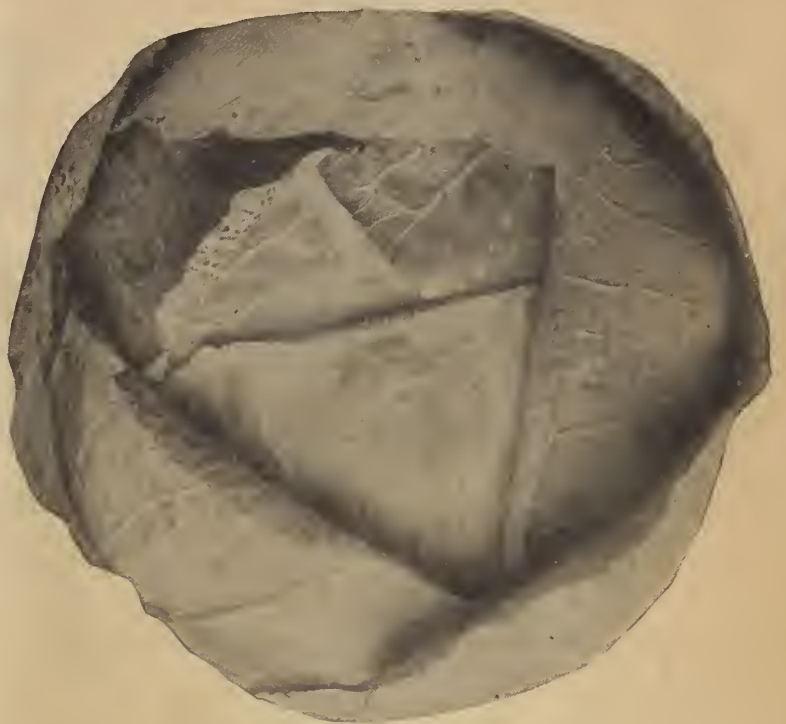
A variety which produces very large heavy flat uniform heads. When opened the leaves are very white, crisp and tender. A good keeper. Pkt., 8c; oz., 20c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.20; lb., \$2.25.



**ALL SEASONS**

A good second early variety of the Drumhead type. Large solid heads. An exceptionally good keeper for mid-season, and an excellent kraut variety. Pkt., 8c; oz., 20c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.20; lb., \$2.25.

**SEE PAGE 2 FOR  
NOT PREPAID PRICES  
ON CABBAGE SEEDS**



**PREMIUM LATE FLAT DUTCH**

This is the most popular of the late flat-headed varieties. Selected strain of this variety which produces solid uniform heads of finest quality. Sow the seeds in the open ground and thin out or transplant into the proper distance apart in the row. Pkt., 8c; oz., 20c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.20; lb., \$2.25.

**AUTUMN KING**

It is one of the most popular of the late flat headed varieties for the market. Dark green leaves, solid flat head, a good keeper, fine quality for both home and market. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., \$1.10; lb., \$2.00.

**IMPROVED LARGE LATE DRUMHEAD**

A standard late sort which heads well and keeps well. Extra selected strain. After many years selecting seed a perfect header is obtained. It opens very white and crisp. It has all the valuable qualities to be found in any large late variety. Heads are large and heavy. Sells well in the markets. Pkt., 8c; oz., 20c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.20; lb., \$2.25.



**HARTMAN'S RESELECTED COPENHAGEN MARKET**

A Remarkable Strain. Very Uniform in Heading

This is a selection made by the introducer of Copenhagen Market. It has the same general shape as the parent but is selected for a small solid heading variety. Heads 4 to 6 lbs. Without doubt this is the best variety to grow for market as so many people nowadays want a small heading cabbage. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20;  $\frac{1}{2}$  lb., \$2.30; lb., \$4.50.



**SHUMWAY'S IMPROVED SUREHEAD**

Produces very large perfect shaped heads similar to Flat Dutch, uniform in shape and very sure heading. None have finer texture. Very popular variety for market as well as home use. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 70c;  $\frac{1}{2}$  lb., \$1.30; lb., \$2.50.

### GARDEN SUGGESTION

Set Tomatoes, Cabbage, Egg Plant or Pepper plants about 2 to 3 ft. apart in the Lettuce or Radish rows. This aids in diversification where garden space is limited.





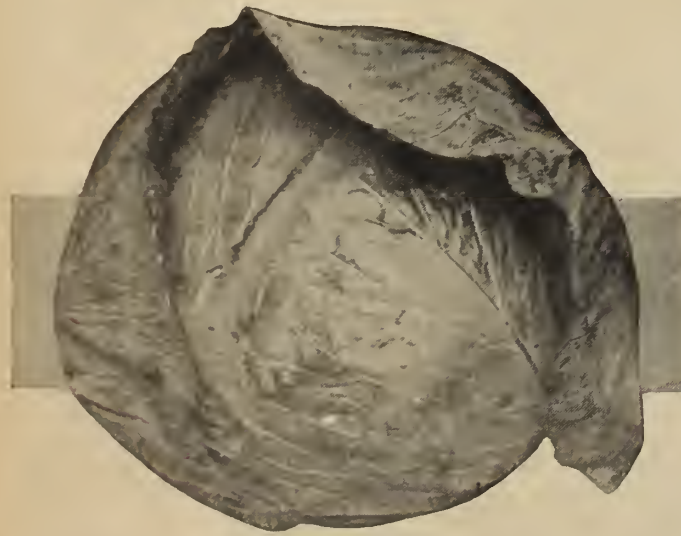
**DANISH BALLHEAD**  
The Peer of Late Varieties

The short stem stock of this variety is grown for us in Denmark. This well known sort is known throughout the cabbage sections as the hardest heading longest keeping variety. We know there is no other cabbage that will develop more tonnage to the acre. The heads are firm and while not as large as some of the other late varieties it will weigh more and keep better. Heads average 10 to 12 lbs. It is an exceptional cabbage for storing away. Pkt., 10c; oz., 25c; ¼ lb., 85c; ½ lb., \$1.60; lb., \$3.00.



**ALLHEAD EARLY OR SOLID SOUTH**

This variety matures uniform large heads of excellent quality. Successive plantings will insure cabbages for use through the summer and winter. A good keeper. Pkt., 8c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



**SHUMWAY'S HOLLANDER OR NEW HOLLAND**

A medium size, hardy sort that endures drought or freezing that would ruin any other variety. An excellent keeper. So solid that the small size heads will weigh as much as the large heads of other varieties. A favorite with the truckers for long distance shipping and unsurpassed for the market gardeners. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.90.



**BROCCOLI—GREEN SPROUTING**

An entirely different and distinct vegetable is known on the fancier markets as Broccoli. This has been a favorite in Europe for some time but recently has been introduced to this country.

Some people confuse it with Cauliflower thinking that it belongs to that class but there is no similarity whatsoever. It forms a rather loose head made up of flower buds. The plants branch freely and each branch terminates in a head or bud cluster. The center heads are cut first and as the side shoots develop they are cut with about 6 inches of stem and bunched for market. Frequently 5 and 6 cuttings are made from one plant.

It is served either hot or cold as a salad. Very delightful when served with Mayonnaise or Hollandaise sauce.

**Culture:** Broccoli requires fertile soil, well drained but of good moisture. It is a heavy feeder therefore requires a generous quantity of fertilizer, particularly, those that are rich in nitrogen. Sow the seed the last of May to the first of June in the seed bed and when about 4 weeks old transplant in rows about 3 feet apart and about 2 feet apart in the row. Broccoli requires 100 to 120 days to maturity. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35; ½ lb., \$2.60; 1 lb., \$5.00.



**BRUSSELS SPROUTS**

This has now become one of the very popular vegetables. Its culture is practically the same as that for cabbage, but for late use the seed should be sown in June. The flavor is much improved if allowed to stand until touched by frost.

Many desirable dishes are made from Brussels Sprouts and one of the outstanding ones is to bake them in a casserole with a cheese sauce, after the Sprouts have been par-boiled for a half hour. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.40; lb., \$2.35.



**PERFECTION DRUMHEAD SAVOY**

A highly recommended variety for its flavor. The largest solid heading of the Savoy type. Pkt., 8c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.

**EARLY SPRING**

An early variety with much merit. Solid oval head which forms very compactly. Desirable for family garden and market. Pkt., 8c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.

**EARLY WINNIGSTADT**

A conical shaped variety, sure header and good keeper. Considered one of the best varieties for general use. Pkt., 7c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



**CHINESE OR CELERY CABBAGE**

**Wongbok.** This variety seems to be an improvement over all the others, therefore we are only listing the one. The seed should be sown in the vicinity of Chicago about the last week in July or first week of August. The one outstanding requirement for good celery cabbage is cool weather. The plants grow rapidly, large, tightly folded heads which are well blanched in the heart. Very desirable as a salad and boiled it is more palatable than cabbage. Don't pass up this very popular vegetable. Pkt., 10c; oz., 25c; ¼ lb., 85c; ½ lb., \$1.60; lb., \$3.00.



Use SLUG SHOT by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Currant Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over half a century of successful use.

**Postpaid Prices**

- 1 lb. Round Perforated Tin Top Canister .....\$0.30
- 5 lb. Tin Top-Bottom Canister..... 1.00
- 10 lb. Can ..... 1.90



**MAMMOTH RED ROCK**

Hard round heads, very solid and keeps exceptionally well. Good red color to the center. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.50.



# Carrots



## NANTES, HALF LONG, OR CORELESS

A beautiful cylindrical half long variety. It is blunt-ended with a very small tap-root. This variety is very smooth and grows about 6 inches long, very sweet and practically without a core. Color is red. This carrot is considered the best known for table use. Pkt., 8c; oz., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; lb., \$1.00; 5 lbs., \$4.25, postpaid.

### GARDEN SUGGESTION

Sow Radish seed thinly in the row where you have sown Carrot. The Radish will come through quickly and act as a ground breaker for the Carrot which is slower growing, resulting in a double crop on the same piece of ground.



## SHUMWAY'S EARLY MARKET FAVORITE

Considerable work has been done on this carrot in reselection for uniformity of shape and earliness. We now feel that we have one of the very finest strains of carrot, one that will appeal to the most exacting buyers. It is very clean, tapering, and uniform in shape. Its color is dark orange and the core never becomes woody. Rich in flavor and very fine grained. Particularly desirable where big production is desired for the critical trade. The home gardener should select this above all others. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.25; 5 lbs., \$5.75, postpaid.

## SHUMWAY'S SCARLET PERFECTION

This is a very early smooth long variety about 8 to 9 inches. The color is deep orange, flesh is excellent in quality showing little core which is without fibre. A very desirable variety of an exceptional quality for market gardeners as well as home use. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.



## DANVER'S HALF LONG

Reselected Stock  
(See Basket on Back Cover)

One of the most popular and widely used carrots. A rich orange red color, smooth and beautiful appearance. The roots taper to a blunt point averaging about 5 to 6 inches in length. Excellent table variety. The ideal sort for market gardeners as its yield per acre is great. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 32c;  $\frac{1}{2}$  lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**NOTICE:** If you are in the market for large quantities of carrot seed, 10 lbs. or over, write for special quotation.

See Page 2 for not prepaid prices on Carrots



## IMPROVED LONG ORANGE

The well known standard sort for feeding stock. Dairymen esteem them highly for feeding cows. An excellent food for horses during the cold months. It is a good keeper of fine quality. May be used as a table carrot. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 80c; 5 lbs., \$3.50 postpaid.

## LONG WHITE BELGIAN

A long white productive sort. Grown largely to feed stock. Cut and feed with meal or grain. Good yielder. Pkt., 5c; oz., 8c;  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 35c; lb., 60c; 5 lbs., \$2.50 postpaid.



## EARLY LONG FORCING

A long variety that may be forced. It grows rapidly in its texture and produces greater weight of roots than shorter varieties. Market gardeners may profit by using this sort as they will be able to supply carrots early while the prices are high. Pkt., 8c; oz., 15c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; lb., \$1.25.



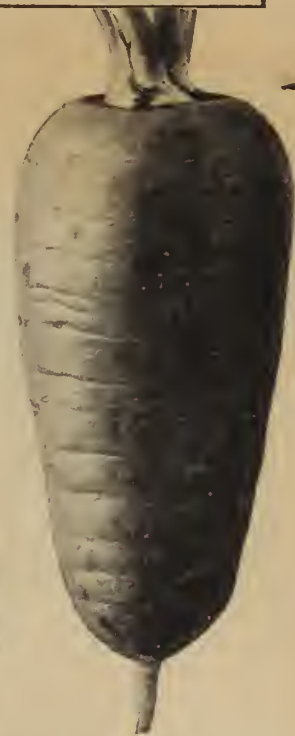
## OXHEART OR GUERANDE

A very rapid growing variety attaining a weight of a lb. and better. It is thick shouldered, grows about 5 inches long. A deep orange red in color. Recommended for home gardens and truckers. A fine second early variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.



## EARLY SCARLET HORN

A very fine early stump rooted variety.  $1\frac{1}{2}$  inches thick and 3 inches long. A deep orange color making it attractive for bunching. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.



## EARLY CHANTENAY

(See Inside Front Cover)

An early variety in use 60 days after sowing, being a little earlier than Danvers. It is shorter, averaging 4 to 5 inches in length. Color is deep orange. Root smooth and of excellent table quality. A fine variety for the kitchen garden. A favorite with market gardeners. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 32c;  $\frac{1}{2}$  lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

## CARROT CULTURE:

1 oz. will sow 75 to 100 ft.; 3 to 4 lbs. to the acre. Carrots will do well in almost any soil but will produce the best on a loam, well fertilized. Sow the seed as early as possible, arranging your rows about 18 to 24 inches apart, thinning out the seedlings to two or three inches apart in the row. Sow the seed about an inch deep. Sow seed about every two weeks up to the middle of July and a supply of tender roots will be available until your winter roots are ready for storage.

Carrots are one of the most valuable vegetables. Not only being wholesome they supply essential vitamins. The leading baby specialists of the country demand that they be fed regularly to children. The medical profession generally advises their use for young and old. Carrots when real young, properly prepared, are a real delicacy.



# Cauliflower



## MADSEN'S SUPER SNOWBALL

This wonderful strain of Cauliflower is the particular variety that the market gardeners have wanted for some time. Its extreme earliness, about 10 days earlier than Early Snowball, and uniformity of heading will excel the others for early marketing. Dry weather does not materially check its growth and therefore is able to resist diseases; resulting in yielding heads of high grade where the other strains under similar conditions will either yield heads of inferior quality or no heads.

Before the foliage is full grown and the heads have begun to appear the inside leaves begin to curl and twist forming a protection. The outside foliage is strong and vigorous. This strain heads up evenly throughout the field, which no other Cauliflower is known to do. The heads are decidedly larger, deeper and more solid than the other varieties. Denmark grown originator's stock. Pkt., 20c; ¼ oz., 85c; ½ oz., \$1.60; oz., \$3.00; ¼ lb., \$10.00.

## EXTRA EARLY FAVORITE

A popular variety giving general satisfaction. The head is white and tender. It resembles Snowball in shape and earliness. Pkt., 10c; ½ oz., 75c; oz., \$1.40.

## EARLY PARIS OR NONPAREIL

A popular variety in some localities. Very white, sweet and tender. Pkt., 8c; oz., 45c; ¼ lb., \$1.50.



## SHUMWAY'S EXTRA EARLY SNOWBALL

The seed of this variety is produced in Denmark for us from extra selected stock. It produces heads that will measure about 10 inches across, very solid and perfectly white. Its growth is dwarf and heads earlier than most varieties. The plants can be grown close together as the leaves set close to the head. Pkt., 15c; ½ oz., \$1.00; oz., \$1.85; ¼ lb., \$7.00; ½ lb., \$13.00; lb., \$24.00.

## EXTRA EARLY ERFURT

A favorite with all who have grown it, almost the same as Snowball. Produces very beautiful compact heads of fair size. Pkt., 10c; ½ oz., 90c; oz., \$1.75; ¼ lb., \$6.25; ½ lb., \$11.00; lb., \$20.00.

## DRY WEATHER OR DANISH GIANT

This seed is also produced for us in Denmark. It is a strain perfected to stand hot dry weather. It stands weather conditions better than some of the other varieties. It is a sure header, larger than Snowball. A snow white and second early. Pkt., 10c; ½ oz., 90c; oz., \$1.75; ¼ lb., \$6.25; ½ lb., \$11.00; lb., \$20.00.

## AUTUMN GIANT

Very large pure white heads, well protected with leaves which keeps it in a good condition for a long time. A good variety for gardeners who wish a large type. Pkt., 10c; ½ oz., 40c; oz., 65c; ¼ lb., \$2.00; ½ lb., \$3.75; lb., \$7.00.



## CORN SALAD

An excellent and valuable vegetable for salads, which can be had constantly by successive sowings. Late sowings may be covered with straw in winter for early use in the spring. In some sections of the country it is used in place of lettuce for winter use. Pkt., 5c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10.



## GEORGIA COLLARDS

A valuable vegetable used for greens. Leaves grow anew after picking. The quality improves with freezing. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.



## BROAD LEAVED DANDELION

An improved large variety from Europe. Not to be confused with the common varieties. Very large size and when cultivated makes an excellent vegetable for spring greens. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.85.

## PLANT SPRINKLER

Plant Sprinkler, \$1.50. Large size No. 1. Very nice for spraying plants as well as watering seedlings.



# Protects Plants from Frost for Earlier Crops and Higher Prices



Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00 per M; 10,000 lots, \$10.75 per M; Standard Steel Hotkap Setter, \$2.50; F. O. B. Rockford. 250 Trial Package, including composition Garden Setter with Tamper, \$4.25; 100 Home Package, including Garden setter with Tamper, \$2.75, paid to your home.

# Germāco HOTKAPS

## SOFT AS KID—TOUGH AS IRON



## National Eezy Wear Garden Gloves

A soft—pliable—ALL-LEATHER—dirt proof glove for both MEN and WOMEN—specially adapted for general home use such as:—

## GARDEN AND LAWN WORK

The unusual quality of extreme softness and pliability in this all-leather glove is the result of a special processing of a select imported leather.

As the name implies, these gloves are very EASY TO WEAR. So easy to handle objects and use the hands freely. And being all-leather, they are entirely dirt-proof and durable. Keep the hands clean and in excellent condition.

ECONOMICAL. The price is unusually low for an all-leather glove of these special qualities.

A size for MEN and WOMEN.

65c per pair Postpaid

GERMACO HOTKAPS are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an “individual hothouse for each plant,” protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. This is your assurance of earlier, bigger crops, and early-to-market prices.

HOTKAPS are quickly and easily “set.” One man can set over 2500 of them in a day. Thousands of progressive farmers in every state are now regular users of this modern crop necessity. They are getting bigger, harder crops and greater profits than ever before.

Write us today about this money-maker, or simply order your season's supply now.

## Temley's Watch-em-Grow



A clean, odorless powder, which will dissolve quickly in water. It can be easily applied to plants just as you ordinarily water them.

Complete instructions on each can. House plants readily respond to this food.

A little of this food goes a long ways as it is highly concentrated. A rounded teaspoonful dissolved in a cup of hot water, then this poured into a gallon of cool water will provide a watering and food for a great many house plants or a fair sized bed out of doors. Flowers as well as vegetables out of doors will be greatly benefited if occasionally used during the growing season.

When a change of soil is made for potted plants mix a teaspoonful of Watch-em-Grow with a gallon of soil. The results are surprising. A can of this concentrated plant food should be in every home ready to feed plant life when they need it. 8 oz. can, postpaid, 50c.



# Celery



**GOLDEN SELF BLANCHING**

The peer of yellow varieties. It is dwarf in nature forming large bunches with broad heavy stalks, which are sweet, tender, and crisp. It is considered one of the best table varieties. Market gardeners and truckers use this sort for supplying big markets where it always meets with ready sale. Extra selected stock. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20;  $\frac{1}{2}$  lb., \$2.30; lb., \$4.50.



**GOLDEN PLUME OR WONDERFUL**

A new variety which evidently is a selection out of Golden Self Blanching, however, it withstands the heat and blight better. A beautiful shade of gold in color, very brittle and excellent table quality. It blanches quickly with a full heart and good growth of outer stalk. A very desirable variety. Pkt., 10c; oz., 65c;  $\frac{1}{4}$  lb., \$2.25;  $\frac{1}{2}$  lb., \$4.00.



**WHITE PLUME**

Considered the best white variety. Market gardeners use this extensively because of its crisp, tender eating qualities, making it meet with ready sale. In growth it is vigorous, large size and uniformly white. An excellent variety when celery is in season. Not recommended as a keeper. We carry only selected stocks of this variety. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.45; lb., \$2.75.



**GIANT WHITE SOLID**

An improved strain of White Solid. Very crisp, tender, rich nutty flavor. Very compact grower making it a good keeping variety. Pkt., 8c; oz., 22c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.20; lb., \$2.25.



**KALAMAZOO**

A variety creamy white in color, large size, of perfect shape, straight, solid and of excellent flavor. A beautiful appearing celery in the market, meeting with ready sale. Pkt., 8c; oz., 20c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.20; lb., \$2.25.

## CELERY CULTURE

Many people are under the impression that Celery is difficult to grow. It is not; where you have the proper soil and follow this method: Start the seed indoors and transplant into the open ground about the middle of May. The soil should be light and rich. Set the plants about 8 inches apart; where the soil is quite rich they may be grown closer. Do not cultivate around the Celery when it is wet with dew or rain. Keep well cultivated and fertilized.

## CELERIAC-TURNIP ROOTED CELERY

A vegetable deserving of wider cultivation. When cooked and prepared in a salad it is very tasty. It has a rich celery flavor. They are nice creamed or used in soups to add the delightful celery-like flavor. The roots keep well when stored and will last well into the winter. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 70c;  $\frac{1}{2}$  lb., \$1.30; lb., \$2.50.

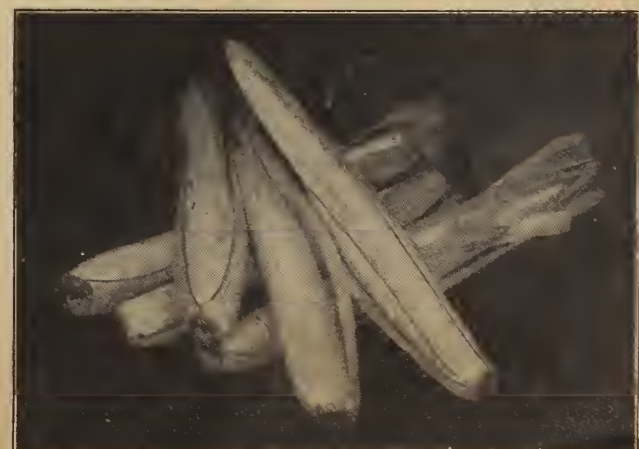
## CHICORY OR FRENCH ENDIVE

Witloof. An easily grown vegetable requiring little care. Sow the seed in the spring and store the roots, in the fall, in sand until wanted for growing in the winter, at which time they may be forced and the white celery-like stalk cut off and used in salads. In general demand in the better restaurants and hotels. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., 95c; lb., \$1.75.



**GIANT PASCAL OR WINTER KING**

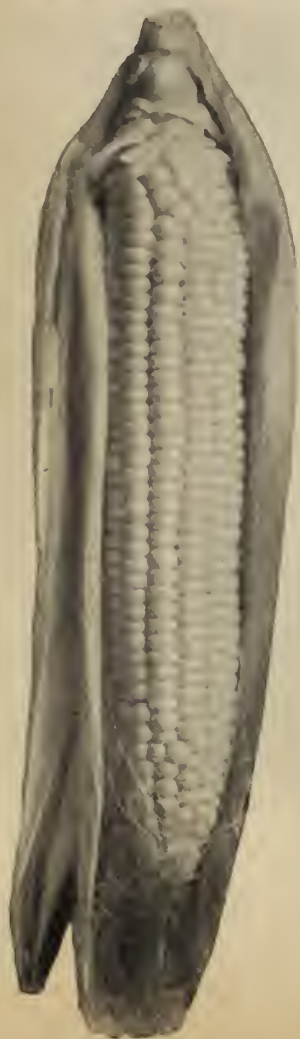
This is a selection from Golden Self Blanching retaining many of the qualities of that variety with the added keeping qualities. The stalks are solid, large, crisp and have a rich nutty flavor. The heart is golden yellow blanching very easily and quickly. Without a doubt the best fall and winter sort. One of the favorites of the market gardeners. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.50; lb., \$2.90.





# Sweet Corn

**CULTURE:** Do not plant too early, as the seed is liable to rot in cold ground. If the spring is early it is well to risk part of your seed, as the plants, very often, when they are once up, escape injury of early frost. Plant either in rows or hills, the rows 3 feet apart, and thin out the plants so they will stand 10 to 12 inches apart in the row.



**HOWLING MOB**

A second early large-cared sweet corn. The season is about the same as Champion Sugar, but the ears are a little larger and the kernels are smaller. Flavor cannot be excelled by any variety. This sort always meets with ready sale on the market, in fact it dominates some markets. Pkt., 7c; ½ lb., 16c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.



**GOLDEN SUNSHINE**

This variety was bred up by Prof. A. F. Yeager of the North Dakota Agricultural College. Up to the present time there is no yellow variety produced that is earlier or better. We can vouch for this through our own trials. The following are the main characteristics of this variety: the ears are from 6 to 8 inches in length, yellow in color, and carry 12 rows of kernels. It reaches the roasting ear stage from 3 to 10 days before Golden Bantam. It stays in table quality stage longer. The stocks grow about 5½ feet tall and bear the ears about 15 inches from the ground. This variety certainly bears our endorsement. Pkt., 10c; ½ lb., 17c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.

## GOLDEN GEM SWEET CORN

(See Basket on Back Cover)

An entirely new variety which was developed by the Agricultural College of North Dakota. It is the earliest yellow sweet corn on the market, being a week to 10 days earlier than Golden Sunshine. Golden Gem produces ears about the same size as Sunshine but is an 8 to 10 row type. Its early production of ears and exceptional quality makes this variety the outstanding early yellow type. Pkt., 15c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25, postpaid.

## TRUE GOLDEN BANTAM (SELECTED STOCK)

By far the most popular of all the first early varieties of sweet corn. Two ears to the stalk which are about 6 inches in length with 8 rows of beautiful golden kernels. This variety is raised extensively by market gardeners and by the amateur gardener. Many people are under the impression that any golden yellow corn is Golden Bantam. This is not true. The true stock of Golden Bantam is 6 to 7 inches long with 8 rows of kernels, no more, hence the fact that we are listing this as True Golden Bantam. Pkt., 7c; ½ lb., 15c; 1 lb., 27c; 2 lbs., 50c; 5 lbs., \$1.20; 10 lbs., \$2.35, postpaid.

## CHAMPION SUGAR

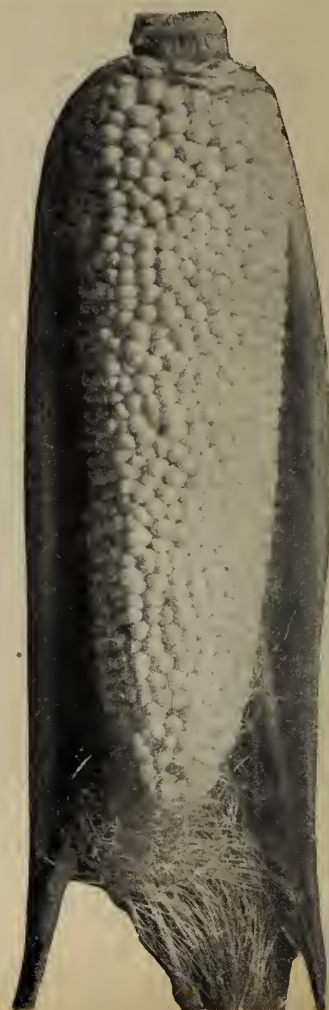
Second early variety which ranks highly in the markets. This is considered one of the earliest large sweet corns. Medium sized ears with 12 uniform rows, pure white kernels, tender and sweet. Pkt., 7c; ½ lb., 16c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

## SHUMWAY'S EXTRA EARLY MARKET GARDENERS

An outstanding luscious early strain of sweet corn. An exceptional variety as the name implies for market gardeners. The kernels are silvery-white and extremely sweet. It remains in table quality for a considerable period which makes it particularly profitable. In this variety we consider we have one of the best varieties of sweet corn offered. Pkt., 8c; ½ lb., 16c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

## KENDALL'S EARLY GIANT

A standard large early variety for market and family use. Very prolific, sometimes 3 ears to the stalk, 12 rows pure white, tender, milky kernels. Pkt., 7c; ½ lb., 15c; 1 lb., 27c; 2 lbs., 50c; 5 lbs., \$1.20; 10 lbs., \$2.35, postpaid.



**COUNTRY GENTLEMAN**

It is readily recognized by its irregular arrangement of the kernels on the cob. The kernels are plump, milky, pearly white and tender, very deep. The husk of this variety is very heavy which protects the cob and keeps the corn in edible condition for a long time. Each stalk usually produces 3 ears of corn, 8 to 9 inches long, small cob, deep grain. Pkt., 10c; ½ lb., 16c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.



**Golden Bantam**



**Market Gardeners**

**SEE PAGE 2 FOR "NOT PREPAID" QUANTITY PRICES**



## Pop Corn



### AUSTRALIAN HULLESS

Also known as Japanese Rice. A dwarf growing variety that is a very heavy yielder. Ears are peculiar in form, being nearly as broad as they are long. The kernels are very similar to those of White Rice. It is considered the best popping variety as it pops without hull or shell. Pkt., 5c; ½ lb., 18c; lb., 32c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.35, postpaid.

### WHITE RICE

The old standard variety which has been in use for many years. Long ears with very sharp kernels, very prolific variety as ears are usually produced 3 or 4 to the stalk. Pkt., 5c; ½ lb., 18c; lb., 32c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.35, postpaid.

### QUEEN'S GOLDEN

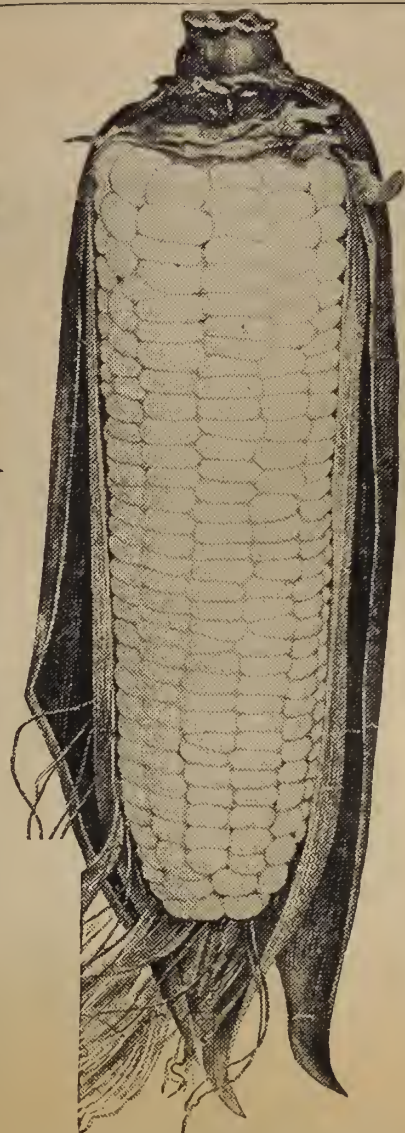
This variety produces the largest ears of any and in great abundance. The kernels are orange-yellow in color, round and very smooth. It pops a creamy white. Pkt., 5c; ½ lb., 18c; lb., 32c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.35, postpaid.

### WHITE MEXICAN

A good large extra early variety that has become very popular in many places on account of its superb quality, size and earliness. It is rich and sweet and is ready for use shortly after Mammoth White Cory. A variety we recommend highly. Pkt., 7c; ½ lb., 15c; lb., 27c; 2 lbs., 50c; 5 lbs., \$1.20; 10 lbs., \$2.35, postpaid.

### BLACK MEXICAN

Considered the most delicious, sweetest corn grown. To those who know it no other variety can take its place. Gaining in favor annually. The ears are 8 inches long and 10 rows, kernels when the corn is ready to eat are white but the ripe kernels are a bluish black. It is the most desirable second early variety for private use. Pkt., 8c; ½ lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.



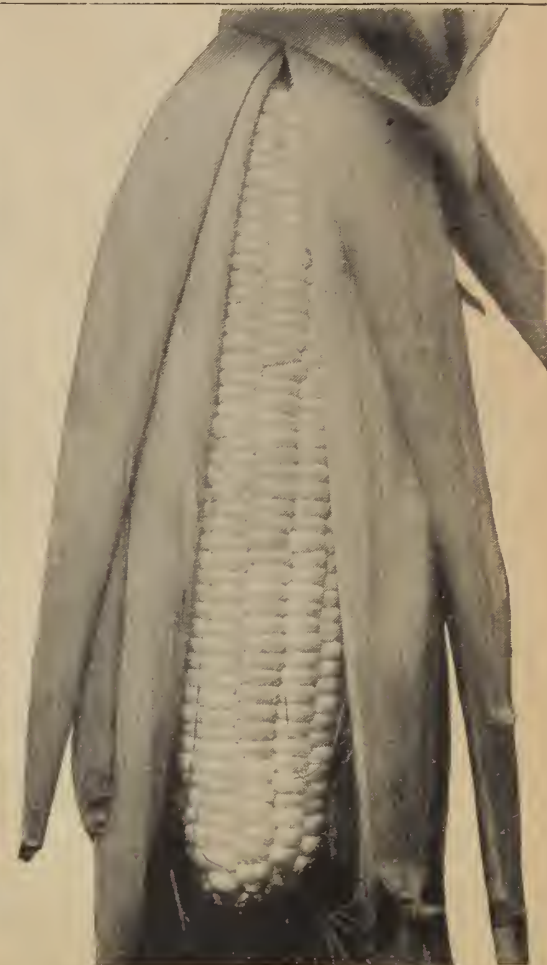
### EXTRA EARLY ADAMS

This is not a sweet corn but nevertheless is prized highly for roasting ears, being ready for table use 65 days after planting. Very prolific and makes very fine food for stock. Pkt., 6c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.90, postpaid.



### GOLDEN EVERGREEN

This variety was produced by hybridizing Golden Bantam and Evergreen. It retained the color and quality of Golden Bantam and took very nearly the size of the Evergreen. It is considered one of the sweetest varieties of corn that is grown today. A favorite wherever offered. Pkt., 8c; ½ lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.45, postpaid.



### STOWELL'S EVERGREEN

This is the standard late variety for family and market gardeners' use. Excellent for canning. Stalks 7 to 8 feet high, producing ears 8 to 10 inches long and about 16 rows of very fine quality corn. Pkt., 8c; ½ lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.45, postpaid.

### NOTICE

#### Truckers and Market Gardeners

Mail in your list of requirements of seeds for special prices on large lots. WE CAN SAVE YOU MONEY.

Early Sweet Corn, 50 lbs. to the bushel  
Late Sweet Corn, 45 lbs. to the bushel

### MAMMOTH WHITE CORY

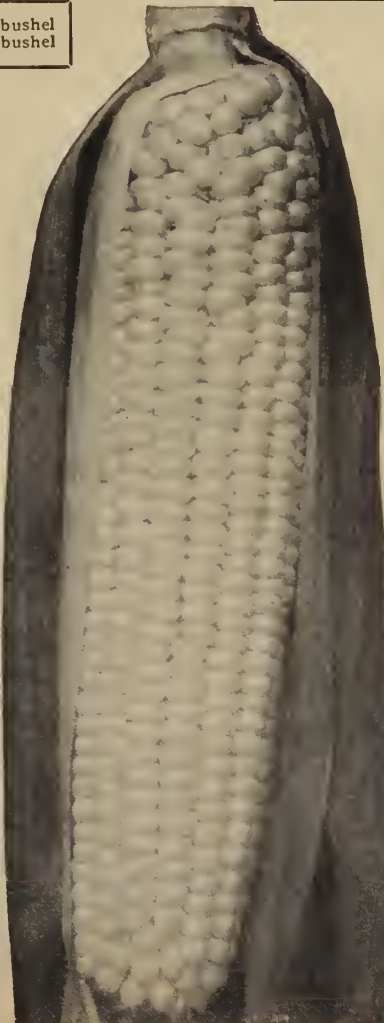
The popular extra early white variety. Known for its earliness, sweetness, and good size. The ears are long with the rows set very close and compact on the cob. There isn't a variety of better quality for table use. The market gardeners use largely of this variety to supply the early market. Pkt., 7c; ½ lb., 15c; lb., 27c; 2 lbs., 50c; 5 lbs., \$1.15; 10 lbs., \$2.25, postpaid.

### EARLY MINNESOTA

A variety producing fair sized ears, 8 to 10 rows of very sweet, tender kernels. A very productive variety only a few days later than Mammoth White Cory. Pkt., 7c; ½ lb., 15c; lb., 27c; 2 lbs., 50c; 5 lbs., \$1.15; 10 lbs., \$2.25, postpaid.



White Mexican



Mammoth White Cory

### EARLY EVERGREEN

Eight to ten days earlier than Stowell's Evergreen. Remains in edible condition a long time, making it a very desirable variety for the trucker as well as the home garden. The ideal strain of Evergreen for the Northern part of the country. Pkt., 8c; ½ lb., 16c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.45, postpaid.

### SELECT WHITE EVERGREEN

This is a decided improvement on all the other strains of Evergreen. The ear is pure white, the kernels are long and slender. The stalks are strong and vigorous, producing ears 8 to 10 inches long, 16 rows. This strain stays "in the milk" for a long time, therefore it remains in market condition longer than the other varieties. Pkt., 10c; ½ lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.

### MAMMOTH, EARLY SUGAR

A large strain of the Evergreen type. This variety produces well both in ears as well as foliage, making an abundant supply of fodder. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.

Truckers and Market Gardeners! See Page 2 for "Not Prepaid" Quantity Prices



**GARDEN SUGGESTION**

When first planting of Peas are through, spade in the vines and plant cucumber or put in second planting of beets or carrots.

# Cucumbers

**SHUMWAY'S LONGFELLOW**

Without doubt the finest of the large white spine varieties. Its extreme length, its dark green color, and well balanced shape makes this a distinctive variety. It is a very shy seeder and quite prolific. This strain can be forced under glass as well as being grown in the open. Selecting the fruits from this variety one can readily secure the top prices in the market for them.

The fruit of Shumway's Longfellow is so long that they will take on the

contour of the soil on which they are growing. If perfectly straight stock is desired it would be well after the fruit is set to place a shingle underneath them or at least level the ground under them. With this extra effort one can secure remarkable specimens. Its size is 15x2½ to 3 inches, weighing approximately 2½ lbs. Edible in 74 days from time of planting. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.30; 1 lb., \$2.50; 5 lbs., \$11.00, postpaid.

**CULTURE**

Cucumbers may be planted in the open ground as early as the ground is workable, but it is better to delay the planting until the weather has become settled and warm. Cucumbers for pickles should be planted from June until the middle of July. Sow the seed in hills 4 to 6 feet apart in a rich loamy soil, thinning out the hills after the plants are established so that there will be 4 of the strongest plants remaining. This of course is not to be done until the danger of the insects is over.

The worst enemy of the Cucumber is the Striped Cucumber Beetle. The best remedies for this insect are "SLUG SHOT" or "Kalite" and for the Aphis use "EVERGREEN" or "Kalo Spray."

**NOTICE:** If you are in the market for large quantities of cucumber seed, 10 lbs. or over, write for special quotations.



**See Page 2 for Not Prepaid prices on all Vegetable seeds**

**IMPROVED LONG GREEN**

The standard variety for slicing or pickling. It is extremely prolific, medium late, hardy and disease resistant. The ends taper a little and are slightly warty. For general purposes it has no superior. Matured fruit 13 by 3 inches. Edible in 62 days. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.25; 5 lbs., \$5.50, postpaid.

**EXTRA EARLY LONG GREEN**

A selected strain of Long Green with white crisp flesh. Very rapid grower and productive in any soil or climate. Not many seeds, which adds to its desirability. Beautiful color and attractive shape. When mature the fruit measures about 10 by 3 inches. Edible in 60 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10; 5 lbs., \$4.75, postpaid.

**DAVIS PERFECT**

A long smooth cucumber tapering to both ends. It is the most popular of the white spine strains. A very shy seeder. It is deep green in color when in the slicing stage. Deliciously crisp flavor. May be forced in greenhouses. Length, 10 to 12 inches; diameter about 2½ inches. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.20; 5 lbs., \$5.00, postpaid.

**FORDHOOK PICKLING**

Similar in size and shape to Cool and Crisp. The fruits taper at both ends with warts mostly toward the stem end. Early prolific and a desirable variety for slicing as well as pickling. Size 8 by 3 inches. Edible in 54 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 55c; 1 lb., \$1.00; 5 lbs., \$4.00, postpaid.

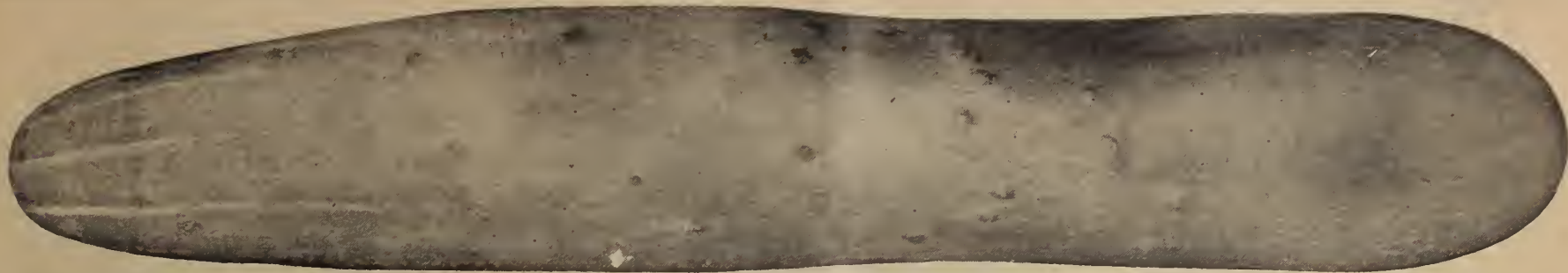
**SHUMWAY'S FANCY PICKLING**

A perfected strain of the pickling varieties, sometimes called Snow's Pickling. The cross for this variety was suggested by R. H. Shumway and worked out with Mr. Snow, who was one of the early cucumber picklers of the country. This variety is perfectly symmetrical in shape with no small or pointed ends. This is the variety generally used by pickling works today as they are big yielders of excellent quality. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10; 5 lbs., \$4.75, postpaid.

**EARLY FORTUNE**

Without a doubt one of the best long distance shipping cucumbers. It holds its dark green color and remains in an edible condition longer than any other white spine strain. The fruits are uniform and symmetrical. A variety used extensively by truckers and market gardeners. Its size when mature is 9½ inches long by 2½ inches in diameter. Edible in 65 days. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.20; 5 lbs., \$5.00, postpaid.





## SHUMWAY'S GREAT GIANT CUCUMBER

This variety often grows to great size 18 to 24 inches long, if allowed to mature it would be 4 to 4½ inches in diameter. In the early stage it is an exceptional variety for slicing as it is crisp, a shy seeder and an excellent color. It is very

productive and certainly a variety to grow specimens to compete for prizes at County Fairs, Granges, and Agricultural shows. It creates wonderment wherever on display. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.30; 1 lb., \$2.50; 5 lbs., \$11.00, postpaid.



## WHITE WONDER (Crop Short)

A novelty with merit. It is white at all stages of its growth. Medium late and the ends are square and blocky. It is very prolific and its snow white color makes it attractive. Size is 7 by 2½ inches. Edible in 58 days. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00, postpaid.



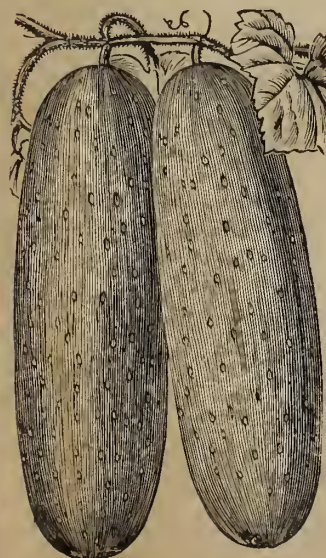
## IMPROVED WHITE SPINE

One of the earliest and most prolific of cucumbers of the white spines. A variety in general use adapted for slicing or pickling. Color attractive and for the home garden as well as market gardens it remains very popular. Size, 7 by 2½ inches. Edible in 58 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.



## WESTERFIELD'S CHICAGO PICKLING

The most popular of the small early pickling varieties. Very uniform in size and shape, producing a great quantity of fruit. It meets the most exacting criticism of the pickle works. The vines bear continuously if the cucumbers are picked. When ripe the fruit measures 7 by 2½ inches. Edible in 58 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.



## WEST INDIA GHERKIN OR BURR

It is a native of Jamaica and is used for very small pickles. Must be used when young. Pkt., 10c; oz., 20c; ¼ lb., 60c.

## EXTRA EARLY GREEN CLUSTER

A small variety supposed to grow in clusters near the roots. It is very early, prolific and uniform. A very popular pickling strain. The skin is smooth and ends taper slightly. Edible in 52 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.

## SHORT GREEN OR EARLY FRAME

Very early bright green cucumber. The ends are abrupt and the hardness is unexcelled. A little late in maturing, but fine for the second crop of picklers. Edible in 60 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.

## SERPENT OR SNAKE CUCUMBER

Really a muskmelon. Always classed, however, as a cucumber. The fruits are green, 24 inches long. Grows in a variety of interesting shapes. Not much value as an edible variety. Grown mostly as a curiosity. It never grows straight unless suspended. Pkt., 10c; oz., 40c.

## THE GARDEN LEMON

The fruits are very small with lemon colored skin flecked with brown. An enormous yielder and its chief use is for salads. Very nice when stuffed with relishes. Pkt., 10c; oz., 25c.

## JAPANESE CLIMBING CUCUMBER

A distinct variety used to cover trellises and fences. Very rugged and disease resistant. Edible qualities are superb. Size 9 by 2½ inches. Ready to use in 58 days. Pkt., 10c; oz., 18c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50.



## COOL AND CRISP

A variety tapering at both ends with prominent warts. Nearly white when fully matured. An excellent sort for slicing. Size 8 by 3 inches. Edible in 55 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.



## GREEN PROLIFIC

This variety is also known as Boston Pickling. It is in general use and is excellent for early uniform pickles. The fruits are cylindrical, square ends and quite smooth. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.

## EVERGREEN

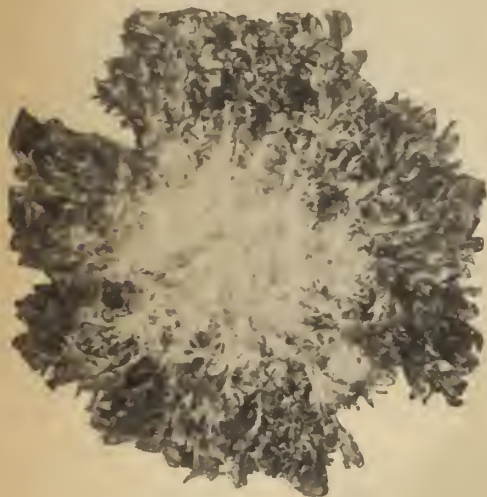
A large sort, deep green in color. Slow to turn after being picked. Very long, tender and crisp fruit. For pickling or slicing. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.

## EVERBEARING

An extremely small early variety. If the fruits are kept picked during the growing season it will bear until killed by frost. Very productive and exceptionally good for small pickles. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.



Endive



**Extra Fine Moss Curled.** One of the finest of all salads for fall and winter use. Very easily blanched as the leaves are very compact. Tender and crisp. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00.

**Broad Leaved Batavian.** A favorite variety with wide ruffled edges. The inner leaves blanch readily to a creamy-white. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00.

Mustard



**Chinese.** Another vegetable used extensively for salads and greens. This variety very finely curled; beautiful in appearance. Pkt., 5c; oz., 8c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

**Ostrich Plume.** Leaves are beautifully curled. Very large plant producing a quantity of leaves. Pkt., 5c; oz., 8c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

**Fordhook Fancy.** Large light green leaves, well curled. Excellent for salads and greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

**White Seeded.** Leaves dark green and smooth, desirable for greens. Seeds are nice when used in preparing pickles. Pkt., 5c; oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.

**Black Seed.** The same as the above used for the same purposes. The only difference being in the seed. Pkt., 5c; oz., 8c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.



MUSHROOM SPAWN

Mushrooms are readily produced in cellars by amateurs, if they will follow the instructions. A very palatable fungi when prepared with steaks or creamed on toast. Full cultural directions with each order. Per brick 35c; 3 bricks, \$1.00, postpaid. Not prepaid, 5 bricks, \$1.00; 10 bricks, \$1.75.

Egg Plant



**Black Beauty.** The earliest and best of the large fruited Egg Plants about 10 days earlier than New York. This is a main planting variety, the fruits are large, thick, heavy at the base and of a dark purplish black color. This variety is the outstanding one in the fancy vegetable markets. Pkt., 10c; oz., 40c; ¼ lb., \$1.30; ½ lb., \$2.50; 1 lb., \$4.50.

**New York Purple.** Large fruit, produced in great quantities on bush of low growth. Dark purple and excellent quality. Standard variety for market gardeners and shippers. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; ½ lb., \$2.25; lb., \$4.35.

## GARDEN SUGGESTION

Set Tomatoes, Cabbage, Egg Plant or Pepper plants about 2 to 3 ft. apart in the lettuce or radish rows. This aids in diversification where garden space is limited.

Parsley



**Moss Curled.** This variety is very curled, making a beautiful garnish. Good flavor, seasoning soups and meats very tastily, easily grown in the open or in pots. Every garden should have a planting. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

**Emerald Green.** Suited for the same purposes as the above variety, but not quite so curly. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

**Hamburg or Turnip Rooted.** The root which is the edible part resembles a small parsnip. This is widely grown and is used for flavoring soups, the foliage may be used as a garnish. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25.



MARTYNIA

The seed pods when green may be picked and used in pickles. The flowers are very pretty and interesting. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

## ORNAMENTAL GOURDS

A very interesting annual climber which rapidly covers fences, trellises or any unsightly places that one might wish to obscure from view. The ornamental fruit which they bear is very attractive. Mixed. Pkt., 7c; oz., 15c; ¼ lb., 40c.

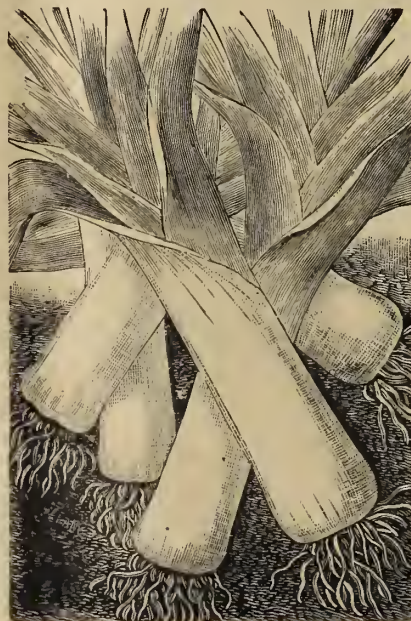
**Dipper Gourd.** Pkt., 7c; oz., 20c.

**Sugar Trough.** Pkt., 7c; oz., 20c.

**Nest Egg.** Pkt., 7c; oz., 20c.

**Hercules Club.** Pkt., 7c; oz., 20c.

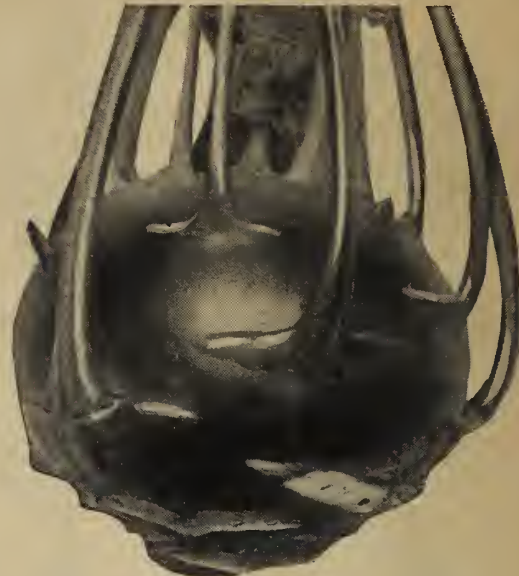
**Calabash.** Pkt., 7c; oz., 20c.



LEEK

**American Flag Leaf.** A vegetable regarded by many as very valuable for soups and salads. When sown in rich garden soil it is easily produced. Meets with ready sale on the markets. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

Kohlrabi



**Early White Vienna.** An intermediate vegetable between the turnip and cabbage. Very delicious when cooked the same as turnips. They are ready for use when about 2 to 4 inches in diameter. Sow in rows the same as radish or carrot, then thin so the seedlings stand 4 to 6 inches apart in the row. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75.

**Early Purple Vienna.** Same as above, only the skin being purple, the flesh is white and of good flavor. Will stand the heat a little better. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75.

Kale or Borecole



**Dwarf Curled Scotch.** Excellent greens for winter or spring. Leaves bright green, curly and tender. Fine flavor. Frost improves it. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 85c.

**Siberian.** Grown at almost any season of the year, it makes excellent greens. This variety not so curled as the Dwarf Scotch. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

**Tall Curled Scotch.** A beautiful curled sort, strong spreading habit. Bright green in color. The plant holds the leaves well up off of the ground. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 85c.



RHUBARB OR PIEPLANT

A well known useful plant, from which the stalks are used in making pies, sauce and wine. Many have been successful in canning it. A most healthful vegetable. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 75c; lb., \$1.40.



PEANUTS

The peanut can be grown in any part of the country. Plant in a warm, sunny location about corn planting time, not over 2 inches in depth. Do not cultivate nor disturb them after the stems spread over the soil, as the vines throw down little rootlets on which the peanuts are produced. ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.10; 10 lbs., \$2.00, postage paid.



# Lettuce

## ICEBERG

Forms a large, compact curled, crisp head. Medium large with leaves wavy and fringed edge. A variety extensively used by market gardeners and lettuce shippers. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; lb., \$1.35.

## HANSON

One of the best known old standard varieties. Crisp heading, good size, light green. The best lettuce of its class and of excellent quality. A variety used extensively by market gardeners and truckers. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 90c; lb., \$1.35.

Iceberg

Hanson

**CULTURE:** Since the discovery of vitamins plays an important part in our diet, Lettuce has become a very popular vegetable; being served practically the year round as one of the important salads.

Leaf lettuce is very easily grown being started out of doors as early as the soil can be worked. It should be sown in rows and thinned out to the proper distance apart which will allow proper growth.

Head Lettuce is more difficult to grow. It requires a rich warm light quick soil, well fertilized. Should be kept well watered and transplanted, when about 2 inches high, about 15 inches apart which will allow proper cultivation. It

might be well to start indoors the head lettuce two to three weeks before you would plant the seed of the leaf varieties out of doors, then transplant the head lettuce into the ground at the same time you would plant the seed of the loose leaf lettuce.

New York, Big Boston, Hanson, and Iceberg are the best of the hard heading varieties. Grand Rapids for forcing. Black Seed Simpson, Early Curled Simpson and Prizehead are the best of the loose leaf lettuce.

Plant lettuce in quantity as it is an exceptionally good green food for baby chicks as well as full grown chickens.

### GARDEN SUGGESTION

Plant enough lettuce so as to provide green feed for chickens. When lettuce is up, set Tomato plants in the row, 3 ft. apart.

See Page 2  
for  
Not Prepaid  
Quantity  
Prices on  
All Vegetable  
Seeds

## BIG BOSTON

(See Basket on Back Cover)

Probably the most generally used head lettuce in cultivation. Butter type, medium large, light green with a slight tinge of brown on the edges of the outer leaves. It is early and hardy and stands shipping well. The head is very crisp and the interior a golden yellow. Pkt., 7c; oz., 15c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 75c; lb., \$1.40.

## NEW YORK NO. 12

(A strain adapted to climate east of Rocky Mountains)

This variety is listed under its true name. It has been given many others such as Los Angeles, Mountain Iceberg, Wonderful. A variety used extensively by the large lettuce growers of the Pacific Coast, Colorado and Idaho. It is crisp heading, large dark green, and leaves slightly curled on the edges. The mature head is globular and the market growers prefer it as the folded leaves over the head protect it from sunburn. This sort is distinct and is readily recognized at all stages of its growth. Without doubt the leading head lettuce. Pkt., 8c; oz., 15c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., \$1.10; lb., \$2.00.

### NOTICE:

"A garden is a shock absorber for hard times."

## BLACK SEED SIMPSON

A non-heading bunching crisp light yellowish green variety. Early and of fine quality. This variety may be used for hot bed culture. This sort in general use. Pkt., 7c; oz., 15c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 75c; lb., \$1.40.

## CHARTIER

A curled, crisp, medium size heading variety. Leaves are a beautiful shade of green with outer ones tinged with brown. Stands the heat well and slow to go to seed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.20.

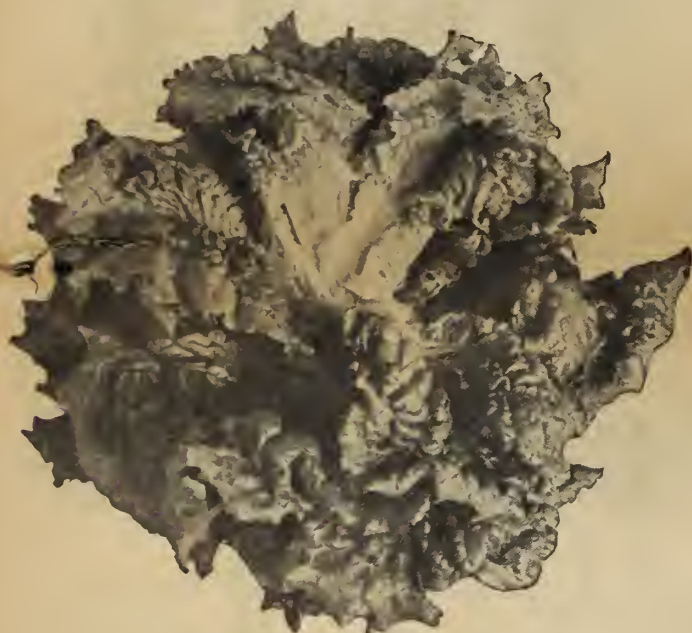
## GRAND RAPIDS

A well known and popular variety, non-heading. Leaves wavy, fringed, and very curly. Extensively used for forcing. When grown under glass it makes a very tender leaf of fine quality. Pkt., 7c; oz., 15c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 75c; lb., \$1.40.



**PRIZEHEAD**

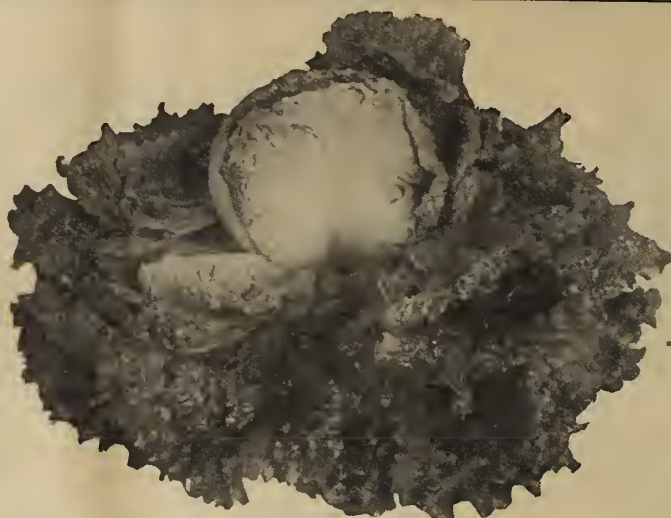
One of the best known popular varieties of the leaf or non-heading type. Medium size light brown edges on a green base. One of the best home garden varieties as it grows quickly and makes many leaves which are of excellent flavor. Pkt., 7c; oz., 15c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 75c; 1 lb., \$1.40.

**EARLY CURLED SIMPSON**

A decidedly crisp variety, strictly bunching, medium in size. Desirable for early market as well as an intermediate sort. Slow to go to seed. A dense cluster of curly leaves. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.20.

**PARIS WHITE COS**

Sometimes called Trianon Cos. The best known and most popular variety of its type. Medium large in size. Forms a good well folded long head of excellent quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.20.

**DENVER MARKET**

A standard variety which is well known. Medium size, curled, crisp heading, light green leaves very much crumpled. Leaves are very tender and delicious. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.20.

**MAY KING**

A popular variety of recent introduction. Heads rather small, light green, tinged slightly at the edge with brown. This variety is highly recommended. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.30.

**ALL THE YEAR ROUND**

A medium sized cabbage butter heading variety of fine quality. Bright green in color. Continually throws out new leaves. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.30.

**GIANT CRYSTAL HEAD**

A large heading variety remaining in good condition for a long time. The plants should stand 12 to 15 inches apart to allow regular cultivation. Leaves are wavy with fringed edges. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.20.

**TOMHANNOCK**

Decidedly crisp, strictly bunching. Leaves are crumpled and the color almost a bright brown varying to bright green near the center of the plant. Very good quality, sweet in flavor. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.30.

**HARDY GREEN WINTER**

This variety also known as Hammer-smith. A cabbage butter head medium size variety. Leaves crumpled with straight edges. This sort forms tight hard heads in the late fall or early winter, hence deriving its name. Pkt., 10c; oz., 18c;  $\frac{1}{4}$  lb., 50c;  $\frac{1}{2}$  lb., 90c; 1 lb., \$1.75.

**CALIFORNIA CREAM BUTTER**

A butter head variety with thick leaves. Large in size. Dark green in color. The inside of the head is a rich golden yellow. Quality first class. A good shipper and forms a good solid head under ordinary conditions. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.30.

**SALAMANDER**

This is a cabbage butter head medium size variety. Leaves are straight on the edges but crumpled. Does well under any weather conditions. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.20.



# Muskmelon

## NOTICE

Our muskmelon seeds are saved from fruits exclusively grown for seed purposes. There is no shipment or selling of melons from the fields. The seed is taken from selected melons of perfect type. With this critical procedure in production of seed stock it is well for the particular seed planters to bear in mind that if it were possible to offer superior stocks we would be doing so.

## SUGAR ROCK OR HONEY ROCK

(See inside front cover)

This new variety has several outstanding characteristics as follows: Extremely productive, exceptional shipping qualities, and remarkable appearance. Deep orange flesh, with a flavor which is entirely different from other varieties and can only be appreciated by comparing with other sorts. It has a very heavy netting with no sign of ribs. It is medium early and practically round, 5x5½ inches, weighing 2½ to 3 lbs. This melon is appreciated on account of its wonderful sweetness. The stock seed as yet is not in big production. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.



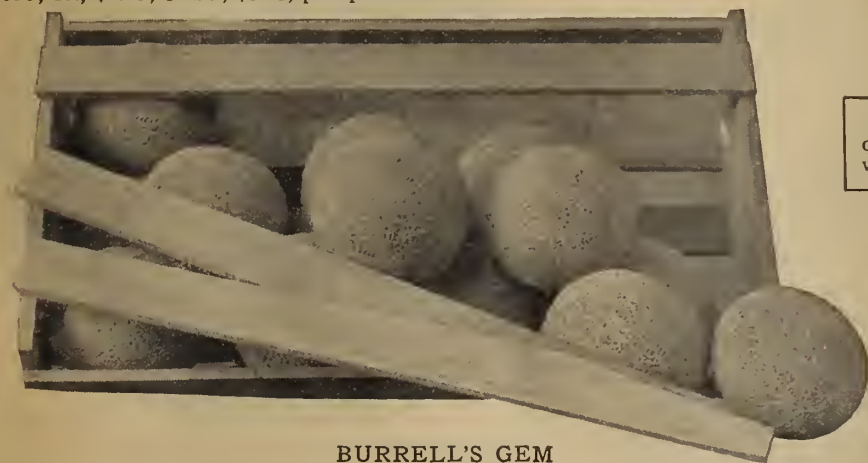
## BENDER'S SURPRISE

A large sized fine flavored early melon. A great favorite on the markets. The melons are oval shaped, slightly ribbed with coarse netting. The flesh is deep orange. Very thick and sweet. Growing to a fairly large size, 8 to 10 lbs. This melon keeps well after being picked, which is a very desirable feature. Pkt., 8c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.75, postpaid.



## HEARTS OF GOLD

Selected from the Hoo-Doo. A splendid shipping variety as it runs very uniform in size. The flesh is pink and very deep, making a remarkably small seed cavity. A very solid melon standing long distance shipping. Edible in 92 days. Size, 6 by 5 inches. Weight, 2 lbs. Pkt., 7c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.25, postpaid.



## BURRELL'S GEM

An oval pink fleshed variety with small seed cavity. Ribs not prominent. The flesh is very sweet and spicy. Its shipping qualities are excellent. Edible in 87 days. Size, 6½ by 5 inches. Weight, 3 lbs. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$3.85, postpaid.



## TIP TOP

Cannot be excelled for its eating qualities. The flesh is bright salmon, remarkably thick, sweet and spicy. Its shape varies from round to slightly oblong. Slightly netted and ribbed. A shipping melon for moderate distances. Excellent market gardeners' variety. Edible in 96 days. Size 8½ by 7½ inches. Weight, 6 to 7½ lbs. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.15; 5 lbs., \$5.00, postpaid.



## OSAGE OR MILLER'S CREAM

One of the most widely used melons in this country. The flesh is salmon colored, thick and spicy. A small seed cavity for so large a melon. An excellent melon for local markets and to ship where the distances are not great, in fact it is one of the finest all purpose muskmelons. Edible in 92 days. Size 8 by 6 inches. Weight, 6 lbs. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.25, postpaid.

**NOTICE:** If you are in the market for large quantities of muskmelon seed, 10 lbs. or over, write for special quotations.



## LAKE CHAMPLAIN

This is an extra early variety of good quality. Deep golden yellow, sweet flesh. Medium size, ribbed with a pronounced netting. It is not adapted to shipping great distances but is the earliest melon of quality for the local market. Very productive and recommended for the revenue it will bring for the space given to it. Edible in 85 days. Selected stock seed. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.75, postpaid.

## ACME OR BALTIMORE MARKET

An excellent medium early variety, small in size, heavily ribbed and netted. It is long with distinct neck at the stem end. The flesh is green. Eating quality is excellent. Edible in 90 days. Size, 7½ by 5 inches. Weight, 3½ lbs. Pkt., 8c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.50, postpaid.

6 to 8 lbs. per acre in hills.

**CULTURE** Melons do the best in light rich soil, sunshine is necessary to produce sugar content. When the ground is warm, generally May 15th, sow the seed in hills 5 to 6 feet apart, watermelons 8 to 10 feet apart. The vines of melons are heavy feeders and it is well to place several shovelfuls of well rotted manure into each hill. Plant 10 to 12 seeds in each hill and cover not more than ½ inch deep. After the danger of bugs is over leave about 4 of your stronger plants in each hill. For insect disturbance treat the same as Cucumber vines.





### PRINCESS OR PERFECTION

This is also known as Ideal. A large pink fleshed melon, heavily ribbed and netted with very thick and exceptionally sweet and spicy flesh. Not a good shipper but excellent for home garden and local market. 95 days to maturity. Size  $7\frac{1}{2} \times 7$  inches. Weight 6 lbs. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; lb., \$1.10; 5 lbs., \$4.50, postpaid.

### EXTRA EARLY GRAND RAPIDS

This variety is a large pink meated melon. Heavily ribbed with little netting. It is very productive and its eating qualities are excellent. It is not adapted for shipping but very fine for local market. When immature the skin is green, turning to a lemon-yellow as it ripens. Its shape is rather long,  $9 \times 7$  inches; weight 7 lbs. For a large melon it is remarkably early. Edible in 94 days. Pkt., 7c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; lb., \$1.00; 5 lbs., \$4.25, postpaid.



### HONEY DEW

A green fleshed perfectly round smooth skinned melon, light cream in color. The length of the melon is about 10 inches and about  $9\frac{1}{2}$  inches in diameter. It is late in maturing and does not grow to perfection in the northern states. An excellent shipping variety and if properly kept will remain in edible condition for a long time. It is claimed this variety had its origin in Africa. Pkt., 10c; oz., 18c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; lb., \$1.50; 5 lbs., \$6.25, postpaid.



### BANANA

A long variety tapering at both ends. Skin is lemon colored when mature. Pink flesh, delicious eating qualities. Edible in 94 days. Size 14 by 4 inches. Weight 7 lbs. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.25; 5 lbs., \$5.00, postpaid.



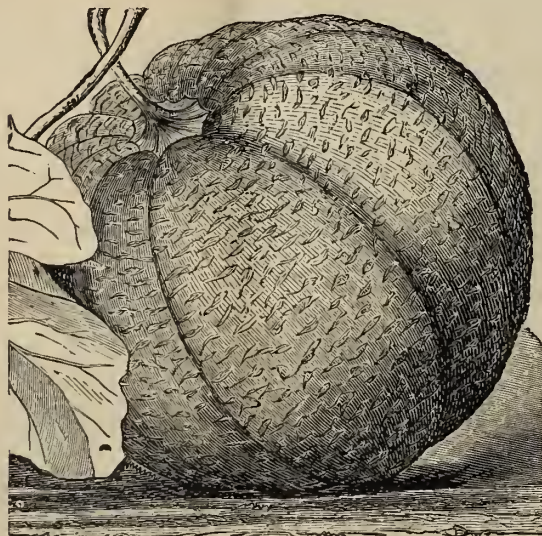
### ROCKY FORD

An improved strain of the Netted Gem, now developed into a round typed melon. The fruits are uniform in size, making it a very desirable melon to pack in baskets or crates. The flesh is green, very sweet and spicy. For its size it cannot be excelled. Edible in 96 days. Size  $5\frac{1}{2}$  by 5 inches. Weight  $2\frac{1}{2}$  lbs. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; lb., 90c; 5 lbs., \$3.85, postpaid.



### MILWAUKEE MARKET

A variety which has attained prominence in all of the markets of the large cities. A medium large pink fleshed variety with remarkable eating qualities. It is early in maturing. The rind is extremely hard, making it an excellent shipping variety. Very prolific and handsome in appearance. A very profitable sort to grow. Edible in 87 days. Size  $7\frac{1}{2}$  by  $6\frac{1}{2}$  inches. Weight, 5 to 6 lbs. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; lb., \$1.35; 5 lbs., \$6.00, postpaid.



### SHUMWAY'S GIANT

The largest of the pink meated melons. Deeply ribbed, slightly netted. Skin lemon color as it ripens. The fruits average 12 to 15 lbs. Have been known to go as high as 25 lbs. The flesh for a large melon is very sweet and spicy. Not a shipping variety but for home use and local markets. Edible in 94 days. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c;  $\frac{1}{2}$  lb., 95c; lb., \$1.80; 5 lbs., \$8.50, postpaid.



Germaco  
**Hotkaps**  
New Method of  
Plant Protection

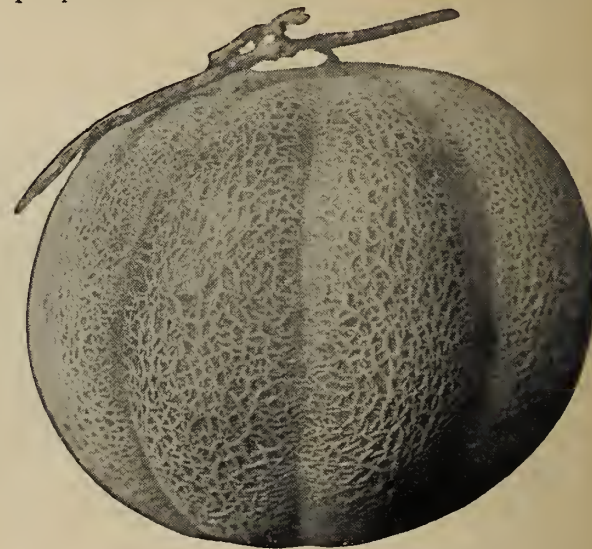
Particularly fine for melons.

See  
Page  
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### HALE'S BEST OR H. B.

An exceptionally early variety. This strain was developed in the Imperial Valley of California. It is a profitable melon for shipping; its size is approximately  $8 \times 5$ . The flesh is exceptionally thick, firm, of excellent flavor and a deep salmon in color, seed cavity is small. It is ten days earlier than the other early shipping types of Rocky Ford. It has been known to produce ripe melons in 68 days, but on an average it produces in 75 to 78 days. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 75c; lb., \$1.40; 5 lbs., \$6.25, postpaid.



### EXTRA EARLY HACKENSACK

A popular early green fleshed variety. The shape of the melon is flat and the size about 4 by 6 inches. Distinct ribs and netting. Very prolific and hardy. Not adapted for shipping, being a home garden sort. Flesh is very sweet and spicy. Ready for use in 90 days. Weight  $2\frac{3}{4}$  lbs. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 55c; lb., \$1.00; 5 lbs., \$4.00, postpaid.

### EARLY GREEN NUTMEG

The fruits are rather heavily ribbed and netted. Green fleshed, small size and almost round. This is one of the most prolific melons known. A very desirable variety for home use. Matures in 88 days. Size 5 by 5 inches. Weight  $2\frac{3}{4}$  lbs. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 28c;  $\frac{1}{2}$  lb., 45c; lb., 80c; 5 lbs., \$3.35, postpaid.

### EMERALD GEM

A small smooth skinned variety. Slightly ribbed. The flesh is pink, very sweet and spicy. It should be picked when the skin is still green. When it starts to color it is over ripe. Excellent home garden variety. Edible in 87 days. Size 4 by 5 inches. Weight 2 lbs. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; lb., 90c; 5 lbs., \$3.85, postpaid.



# Watermelons

## NOTICE

Our melon seeds are grown exclusively for seed; there is no shipment or selling of stock from the fields. All our seed is taken from selected melons of perfect type. With this critical procedure in production of seed stock it is well for the particular planters to bear in mind that if it were possible to offer superior stocks we would be doing so.



### HARRIS EARLIEST

An almost round black seeded melon. Rind is dark green striped with a lighter shade, flesh firm and delicious. A home as well as a local market sort. A variety adapted for short growing season. Edible in 80 days. Weight about 20 lbs. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.35, postpaid.

### COLE'S EARLY

An extra early sure cropper. This sort is medium in size, thin, brittle rind. The flesh is deep red, firm and delicious. Without a doubt the finest variety for home gardens. Weight about 20 lbs. Edible in 80 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.00, postpaid.

### TOM WATSON

The peer of the Watermelons for shipping; it being the popular variety for the large growers on account of its ready sale in all markets. It is well adapted for long distance shipping. It is attractive, uniform in shape and quality. Very sweet and practically melts in the mouth. The flesh is red and the seeds are brown with here and there a sprinkling of white seed. The rind is deep green and elastic. This variety is oblong in shape, averaging about 20 inches in length and 10 to 12 inches in diameter, weight ranging from 35 to 40 lbs. Our strain is from re-selected stock and meets with ready demand by the most critical buyers. Maturity, 90 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$3.75, postpaid.

### REUTER'S WONDERMELON

A variety possessing a flavor that is not surpassed by any other kind. The flesh is rich red and the flavor from heart to rind is the same. Another shy seeding melon, giving one the impression of all heart melon. The seeds are white and in contrast to the beautiful red flesh a melon cut open is an appetizing sight. The rind is thin and tough dark solid green. Seed white. The melon is oblong in shape, measuring 22 to 24 inches and 10 to 12 inches in diameter and weighing 40 to 50 lbs. Pkt., 8c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.50, postpaid.



### KLECKLY'S SWEET An Exceptional Market Melon

This is considered the sweetest of the large melons. Particularly adapted for home garden and shipping short distances. Kleckly's Sweet is oblong in shape, about 22 inches long and 12 inches in diameter, weight from 40 to 50 lbs. The thin rind is brittle, dark green in color. The flesh is bright scarlet, very sweet, showing no signs of stringiness. A medium early melon and cannot be surpassed. 87 days to maturity. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$3.75, postpaid.

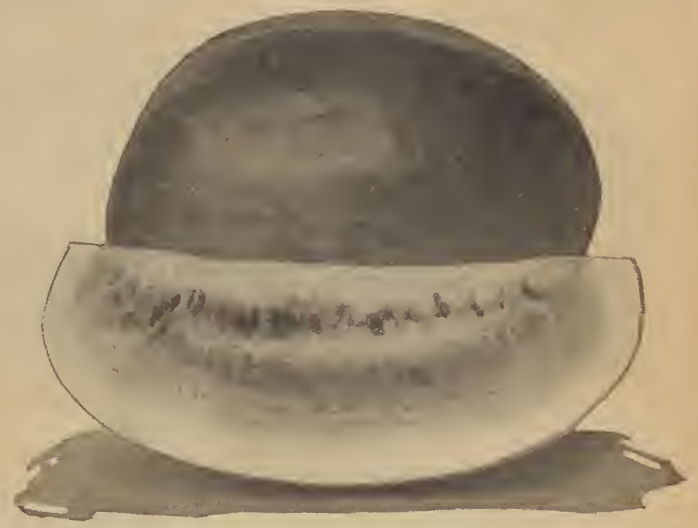
### McIVER'S WONDERFUL SUGAR

This melon has remarkable shipping qualities. The shape is long, rind is light green with irregular dark green stripes. Very prolific. A profitable melon to grow. Weight 30 lbs. Edible in 92 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.



### TOM WATSON

**NOTICE:** If you are in the market for large quantities of watermelon seed, 10 lbs. or over, write for special quotations.



### STONE MOUNTAIN

A variety recently introduced in Georgia, being named after the great Stone Mountain of that state. We consider this the very finest round melon introduced. Rich dark green in color with scarlet flesh that is exceptionally sweet and melting. Very few seeds are found in this melon which gives one the impression on first opening that it is all heart. The average weight is 50 lbs. The markets that demand a round melon will find that this variety will outsell any others. Being a shy seeder it takes considerable acreage to produce sufficient seed stock, hence the price as follows. Pkt., 8c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.



### IRISH GREY

A very popular shipping variety. Rather large in size, long in shape. The rind is light green in color. The flesh is red, not stringy or coarse, very sweet. This is recommended equal to Tom Watson as a shipping variety. Average weight, 35 lbs. Edible in 90 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$3.75, postpaid.

### KLONDIKE

Can't Be Surpassed for Flavor

A watermelon used in the West, and for genuine merit cannot be surpassed. The seeds are quite small, mixed black and white, the flesh is a deep red, the rind dark green. While this variety is more of a home garden and market type, it is adapted for shipping moderate distances. The average weight is 25 lbs., edible in 82 days, size 16x10 inches. A melon of real merit. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postage paid.



### GOLDEN HONEY

The best yellow fleshed variety. Oblong in shape, rind a dark green. The flesh is a bright golden color. Very attractive and of excellent flavor. Weight about 20 lbs. Edible in 90 days. Pkt., 8c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.50, postpaid.



**HALBERT HONEY**

Wonderful Flavor, Very Fine Grained

A fine medium early local market melon enjoying universal use. As the cut shows it is a long cylindrical variety with a deep green rind. A solid melon, firm sweet flesh weighing about 35 lbs. Vines are vigorous in growth, bearing very prolifically, making it a very profitable melon to grow. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**LARGE STRIPED GYPSY OR GEORGIA RATTLESNAKE**

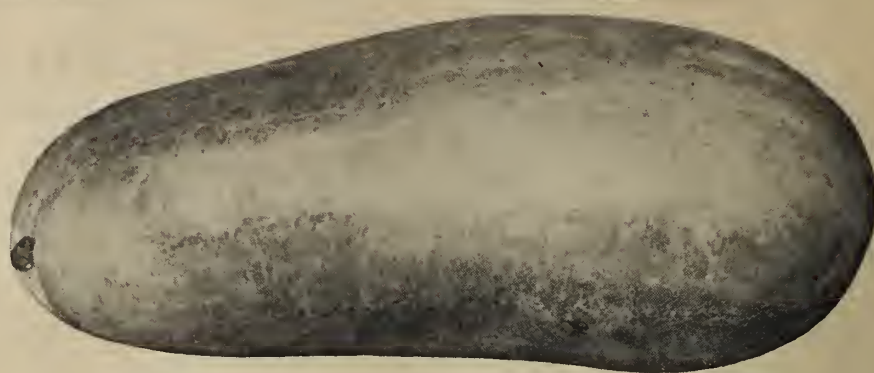
A standard variety of excellent shipping qualities. Light green color irregularly mottled with dark green stripes. Flesh a bright red and very sweet. Cannot be surpassed. White seeded. Weight 30 lbs. Edible in 92 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**CHRISTMAS OR WINTER**

A novelty in the line of watermelon. The fruits are medium size, pale yellow when ripe. The flesh is very sweet, bright red in color. This variety is extremely prolific. There is no doubt about its keeping qualities; melons may be taken from the patch or field before frost and stored away in a cool cellar and one may partake of watermelon for their Thanksgiving dinner. Pkt., 10c; oz., 18c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

**FORDHOOK EARLY**

A variety widely used because of its extreme earliness. Slightly oval in shape and excellent quality. The rind is dark green with darker green stripes. A good variety for local markets. Weight 25 lbs. Edible in 85 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**GREY MONARCH**

A light green large type long melon. Not a shipping variety but excellent for local markets. Very prolific and fairly early in maturity. This sort is also called Long White Icing. Weight 25 lbs. Edible in 90 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**ALABAMA SWEET**

Another excellent shipping variety with tough, elastic rinds. A well known, widely used kind. The flesh is bright red, fine grained and sweet. White seeded. A melon that always sells well on the markets. Weight, about 30 lbs. Edible in 90 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

See page 2 for not prepaid prices on melons

**HUNGARIAN HONEY**

A variety adapted for the home garden and to the market where there is a call for small melons which the smaller family desires, particularly in the larger cities where so many families are living in apartments. In fact this variety may be called Apartment Melon. It is very early, round in shape and extremely sweet. The rind is dark green with irregular stripes of darker green, flesh is bright red, the seed quite small and dark brown in color. We cannot say too much for this very desirable small melon. 87 days to maturity, size 10x10 and weight 12 to 15 lbs. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$5.00, postpaid.

**CITRON (Red Seeded)**

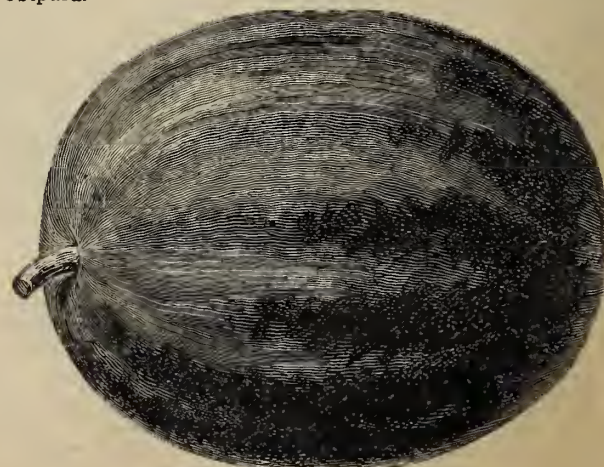
Used exclusively for preserving. It is very hard, slightly striped, round in shape. The preserves made from this melon are transparent and of excellent flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00.



Use SLUG SHOT by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Currant Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over half a century of successful use.

## Postpaid Prices

1 lb. Round Perforated Tin Top Canister .....\$0.30  
5 lb. Tin Top-Bottom Canister..... 1.00  
10 lb. Can ..... 1.90

**ICE CREAM OR PEERLESS**

A white seeded early variety of excellent quality. The rind is very thin and medium green in color. This sort is very prolific. Not adapted for shipping. Edible in 90 days. Weight 20 to 25 lbs. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



# Onions

**CULTURE:** 1 oz. of onion seed will plant 100 feet; 5 to 6 lbs. for an acre. For sets plant 40 to 50 lbs. to the acre. Onions are easily grown, providing the gardener plants them in a rich piece of soil and is willing to do the necessary weeding. Seed should be sown very early in the spring, rows 18 inches apart, and when the seedlings are about 4 inches tall, thin out so the plants stand 3 to 4 inches apart in the rows. The onions should be pulled or dug when the tops begin to dry down.



**SOUTHPORT WHITE GLOBE**

Re-selected Strain

A very highly recommended beautiful globe shaped onion. Early, ripens evenly and good keeper. Growers for market find this very profitable as the demand is great due to its sweet flavor. Pkt., 10c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50; 5 lbs., \$12.50, postpaid.



**SOUTHPORT YELLOW GLOBE**

Standard Variety for Onion Growers

This reselected strain shows superiority over the other yellow globe varieties in its uniformity of size, its wonderful keeping qualities, and its sweet mild flavor. This variety is used extensively in the onion growing districts of Indiana and Ohio. It brings a ready sale in all markets as there is no variety that shows up nicer on display and brings a premium than the Southport Yellow Globe. If in the market for 40 to 60 lbs. of seed or only in need of a packet or an ounce this strain is sure to please. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$7.00; postpaid.



**OHIO YELLOW GLOBE**

Fine Keeper, Solid Sweet Flesh

Another variety of the yellow globe type which is used extensively in the onion growing districts. Very uniform shape, good color and fine size. The flesh is solid and mild. This variety is a heavy yielder of uniform growth. Keeping qualities excellent. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.



**YELLOW FLAT DANVERS**

Choice Bunching and Set Variety

A standard medium size flat variety. The onion is quite thick and has a yellow skin with creamy-white flesh, mild and crisp. A large yielder, ripening very uniformly. Very profitable where the market calls for a flat variety. This strain is also used for producing onion sets. Pkt., 5c; oz., 12c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.35; 5 lbs., \$6.25, postpaid.



**EBENEZER OR JAPANESE**

Mild Flavor, Excellent Keeper

This variety has come into popular demand very rapidly. It produces a larger yield in weight per acre than the old Strasburg and its keeping qualities are unsurpassed. This variety is yellow skinned, inclined to be flat but not as much so as some of the other known flat varieties. The flavor is mild and sweet. We know of no variety that can surpass Ebenezer as a keeper. Stores well and is still in firm, solid condition when all the other varieties are showing growth. This has proven to be one of the very finest strains to use for growing onion sets. Pkt., 8c; oz., 17c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$8.25, postpaid.



**SOUTHPORT RED GLOBE**

Re-selected Strain

This onion is similar in shape to the Southport Yellow Globe. The color is dark red. An exceptionally good keeper, and a heavy yielder. Very popular with the onion growers who produce the red variety. Pkt., 8c; oz., 15c; ¼ lb., 50c; ½ lb., 85c; lb., \$1.60; 5 lbs., \$7.25, postpaid.

**NOTICE:** If you are in the market for large quantities of onion seed, 10 lbs. or over, write for special quotations.



**AUSTRALIAN BROWN**

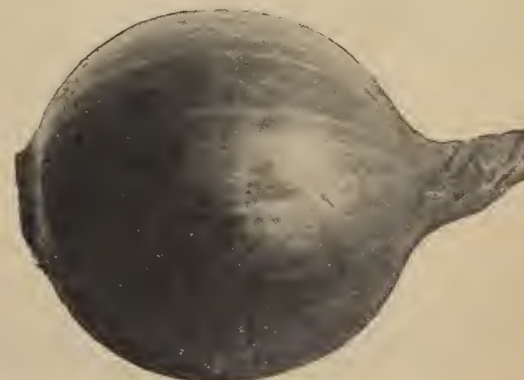
A flat medium sized sort. The skin is amber brown, white flesh. This variety is early, solid and a heavy yielder. Its keeping qualities are excellent even in the warmer sections of the country. Pkt., 5c; oz., 12c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.35; 5 lbs., \$6.25, postpaid.



**LARGE RED WETHERSFIELD**

Heavy Yielder and Sure Cropper

This variety is universally used. Very productive and fine keeper. Grown in large quantities for the markets. The skin is a purplish red with flesh just off of the white toward purple. The bulb is flattened with a comparatively thin neck, fine grained and a fairly mild flavor. This variety seems to do better than any of the others in poor soil. Pkt., 7c; oz., 12c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.



**YELLOW GLOBE DANVERS**

A Standard Variety

Another very popular variety with the onion growers. It is earlier than Southport Yellow Globe, therefore demanding a little higher market price. Good size, thin neck and its keeping qualities can not be excelled. Pkt., 7c; oz., 12c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.





**YELLOW SWEET SPANISH (Riverside Strain)**  
(See Inside Front Cover)

A large globe shaped light yellow onion, with small neck. This variety ripens very evenly. It is very sweet and crisp. In some sections of the country it is earlier than Prizetaker and larger. Being very mild shows plainly it is of the Spanish type which has become so popular the last few years. Pkt., 10c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.60; lb., \$3.00; 5 lbs., \$14.00, postpaid.

**WHITE SWEET SPANISH (New)**  
(See Inside Front Cover)

This is identical in description with the above with the exception of color. This new strain of the Sweet Spanish onion is classed as a white but in reality it is a transparent very pale cream in color. On account of its color and very sweet flavor this is destined to be a very popular white sweet onion for the fancy markets, as well as an exceptional variety for the home garden. Pkt., 12c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.20; lb., \$4.25; 5 lbs., \$19.50, postpaid.

#### MAMMOTH PRIZE TAKER

For a large onion this sort is quite exceptional. Fine grained, sweet, and if properly ripened and stored it will keep well. This variety is a yellow globe requiring a long season. Used extensively in Texas and some of the Western states. Pkt., 7c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$8.00, postpaid.

#### AILSA CRAIG

Popular variety with the growers, as it is a real money maker. A beautiful straw colored skin covering a very large round bulb that will average close to 2 lbs. A desirable onion to eat raw, as it is mild, sweet and crisp. There is no doubt but what this variety is a real competitor of the Spanish Onions. Pkt., 8c; oz., 18c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.75, postpaid.



#### EARLY WHITE BERMUDA

Really light yellow or straw in color. This variety is in general use throughout the onion growing district of Texas. The seed we have of this variety comes from the Tenerife Islands, known as producing the best stocks of this variety. There is no onion that can compare with it in mildness and flavor. Always in great demand and all growers derive great profits from growing this sort. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.15; lb., \$2.25; 5 lbs., \$10.25, postpaid.



#### MAMMOTH SILVER KING OR GIANT WHITE GARGANUS

The largest white onion grown. Producing onions 15 to 20 inches in circumference (averaging 5 to 7 inches in diameter). Weighing 3 to 3½ lbs. The onions mature early and are flat and thick, the skin is a pure silvery white. The flesh is tender, sweet and mild, so much so that it can be eaten as one would an apple. This is an excellent variety for the fancy markets and an ideal variety for the home gardens. Pkt., 8c; oz., 18c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.50, postpaid.



#### WHITE PORTUGAL, OR SILVER SKIN

Choice Bunching and Set Variety

This variety is used for the growing of white onion sets, pickles and early bunching green onions. It cannot be surpassed for this all purpose demand. The matured bulb is medium size, flat and when properly cured will keep to about mid-winter. A variety that is sweet and mild in flavor. Pkt., 8c; oz., 18c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.75, postpaid.

## Shumway's Onion Sets

Set 10 to 12 Bushel to the Acre

The onion sets we have to offer are all graded, passing through a one-inch screen, making them run about ⅞ of an inch in diameter. Our sets are all fanned and picked over before making shipment, so the purchaser receives only solid sets.

Sets that are greater than 1 inch in diameter will throw off a seed stalk making it impossible to produce large onions from that size.



Red. Grown from seeds of Red Wethersfield. ½ lb., 15c; 1 lb., 25c; 4 lbs. or ⅓ bu., 85c; 8 lbs. or ¼ bu., \$1.60, postpaid.

Yellow. Grown from Yellow Flat Danvers. ½ lb., 15c; 1 lb., 25c; 4 lbs. or ⅓ bu., 85c; 8 lbs. or ¼ bu., \$1.60, postpaid.

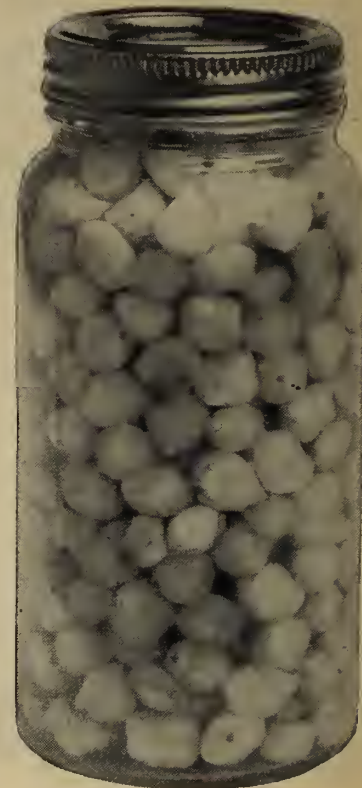
Ebenezer. See description of variety on page 25. ½ lb., 15c; 1 lb., 25c; 4 lbs. or ⅓ bu., 85c; 8 lbs. or ¼ bu., \$1.60, postpaid.

White. Grown from seed of White Portugal. ½ lb., 16c; 1 lb., 28c; 4 lbs. or ⅓ bu., 90c; 8 lbs. or ¼ bu., \$1.70, postpaid.

Mixed. Mechanically made by mixing the three colors together. ½ lb., 15c; 1 lb., 25c; 4 lbs. or ⅓ bu., 85c; 8 lbs., or ¼ bu., \$1.60, postpaid.

See Page 2 for Not Prepaid Quantity Prices

## Onions for Pickling



#### WHITE QUEEN

One of the earliest varieties grown. Small in size when sown rather thickly. Desirable as a pickling variety, also desirable for bunching to supply the early market. Its extreme earliness makes this desirable for supplying the early trade. Pkt., 8c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.50, postpaid.

#### WHITE ADRIATIC BARLETTA

A very early, beautifully white, small, mild variety. Used extensively for pickling. The skin is silvery-white and as thin as tissue paper. Pkt., 8c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.50; 5 lbs., \$9.50, postpaid.

#### WHITE PEARL OR AETNA

Considered one of the earliest white varieties. The shape is almost round, beautiful in appearance. The skin is thin and the flesh a clear white. Flavor is very mild. Pkt., 8c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.50, postpaid.



WHITE BURLEY. This is the standard main crop variety in the Tobacco producing sections. Used extensively in the manufacturing of all types of uses of Tobacco. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

HAVANA. A well known variety used generally for cigar wrappers. When properly grown commands the highest prices. Pkt., 10c; ½ oz., 20c; oz., 35c.

SWEET ORONOCO. A favorite in the Tobacco producing sections in Virginia and Carolina. Grown extensively for dark plug wrappers. Pkt., 10c; ½ oz., 20c; oz., 35c.

CONNECTICUT SEED LEAF. A staple variety grown successfully in all sections Used for cigar fillers. Pkt., 10c; ½ oz., 20c; oz., 35c.

IMPROVED SUMATRA. Fine silky texture grown extensively for the finest cigar wrappers. Pkt., 15c; ½ oz., 35c; oz., 60c.



**GARLIC BULBS OR SETS**

They have an onion or pungent flavor, making them desirable when used in the flavoring of soups, sausage as well as salad dressings. The set multiplies, which may be divided to grow large bulbs.  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

**HORSE-RADISH SETS**

New Bohemian - Maliner Kren. Horse-radish is grown by planting the small roots, taken from the main roots, and planting in deep well fertilized soil. They grow to a very large size in a short time and produce a large crop of good roots for grating to make into a relish. The tops of Horse-radish are used for greens by many people, preferring the pungent taste to those of the vegetables that have a more mild flavor. (10 inch roots.) Doz., 20c; 50 for 75c; 100 for \$1.25; 1,000—\$9.00; 5,000 or more at \$8.50 per M., postpaid.



## BOOKS ON VEGETABLE CULTURE AND MARKETING

### "Practical Vegetable Culture"

By ALBERT E. WILKINSON

In the United States there are approximately 10,000,000 home gardeners; over 100,000 students are enrolled in vocational schools or in high schools, studying vocational subjects; somewhere between 500,000 and 1,000,000 boys and girls are enrolled in 4-H club work. There are thousands and thousands of amateurs—inexperienced men and women—who are trying to obtain a livelihood from vegetable and small fruit production. It is the aim of this book to help all of these. In its 308 pages all phases of vegetable culture are covered from sowing the seed to reaping the harvest; there are innumerable garden plans of all kinds and of all sizes; greenhouses, hotbeds, cold-frames, home vegetable storage, control of pests and diseases, etc. are discussed in detail.

308 pages, profusely illustrated, bound in cloth, postpaid \$2.15.

### "Wayside Marketing"

By SCHUYLER ARNOLD

The author of "Wayside Marketing," Schuyler Arnold, after several years of observation and much study on the subject, has written a book that is packed with worthwhile suggestions enabling the wayside stand owner to better marshal his opportunities, abilities and equipment.

Every angle of the situation is covered—location, the building of the stand, with details of measurement, the stock to be offered (flowers, fruits and vegetables) and how to grow it, etc. An exclusive feature of the book consists of the many line cuts made from hand drawings of practical booths, ranging from simple stands to the more elaborate affairs—all of which can be worked out by the average person. Added to this are numerous illustrations of actual stands which have been photographed on the roadside as also pictorial representations of those annual and perennial flowers in greatest demand and of which an attractive showing can be made.

132 pages, bound in cloth, and encased in an attractive jacket, postpaid, \$1.65



**Germaco**  
**Hotkaps**  
New Method of  
Plant Protection

See Page 2  
for  
Not Prepaid  
Quantity  
Prices

## LANG'S HAND WEEDER



25¢

By MAIL  
PREPAID

ON EARTH.

## KILLS PLANT INSECTS



EFFECTIVE against Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Aphids, Leaf Hoppers, and most other plant insects including cutworms.

**NON-POISONOUS**—EVER GREEN is harmless to man, live stock, birds and pets. Kills only insects. Eliminates washing of fruits and vegetables before marketing.

**NON-INJURIOUS**—Won't burn or injure the tenderest crops. Can be used on celery and roses. Doesn't injure the soil in any way.

**NO DETERIORATION**—When undiluted, EVER GREEN retains its strength indefinitely.

**WON'T GUM SPRAYERS**—Has no injurious effect on metal or rubber. Sprayers can't get clogged, for EVER GREEN stays in solution.

### LIST PRICES

1 oz. bottles.....\$ 0.35	32 oz. bottles.....\$ 3.50
6 oz. bottles.....1.00	1 gal. bottles.....11.50
16 oz. bottles.....2.00	

Being Non-Poisonous Ever Green Can Be Sent Through the Mail.

## KINGSBURY GARDEN KIT



This set of 4 tools is made of the finest steel, very sturdy and guaranteed against breakage in any garden work. Set complete as shown \$1.50 postage paid, or if you desire any one of the 4, sold at 40c each. Reading from left to right, Fork, Transplanting Trowel, Garden Trowel, and Cultivator.

## Parsnips

**HOLLOW CROWN**

The variety in general use, considered the most productive large variety. The roots grow 10 to 12 inches long, and are of excellent flavor. Quality is improved by leaving them in the ground over the winter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

**LONG SUGAR**

A well known standard variety, desirable for home garden or market. Smooth, long, and of excellent flavor. A good variety to store away in the winter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

**WHITE VELVET OKRA**

Large, smooth, superior variety. The young tender pods are cooked in soups, stews, etc. Healthful and delicious. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$2.75, postpaid.

**LONG GREEN POD OKRA**

The seed pods are used while tender and succulent, in soups and stews. Very nutritious. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$2.75, postpaid.



Plant in a warm location if possible, and when runners are a foot long cease cultivating.  $\frac{1}{2}$  lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.10; 10 lbs., \$2.00, postpaid.





### HUNDREDFOLD OR BLUE BANTAM

A choice large podded extra early variety which we can recommend for the market gardener and home use. It is ready for table use in 60 to 62 days. As its name implies it bears very prolifically large pods, containing 8 to 9 large tender peas of excellent flavor. The vines grow about 16 to 18 inches tall making it a very desirable variety for the home garden. Hundredfold is an exceptionally fine variety to be grown in the cooler parts of the country as it can be planted every two weeks of the growing season.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.



### GRADUS OR PROSPERITY

This has been one of the leading varieties since its introduction. It is a large wrinkled early sort with pods nearly as large as Telephone. Peas good size, tender and excellent quality and flavor. The foliage is vigorous and luxuriant pale green. Pods four inches long, straight and slightly rounded at the point. An excellent variety for the home garden and market purposes. Length of straw 36 in.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

# Peas

**CULTURE:** Peas may be sown as early as the middle of March providing the ground is workable. However, the varieties sown at this time should be of the smooth seeded types. Plant in rows 3 to 4 inches deep covering the seed about 2 inches, as they come up cover until the rows are completely filled in. All peas to be at their best should have some kind of support. If brush is not available use poles at each end of rows and interlace with binding twine. All varieties of peas should be inoculated for vigorous growth and heavy bearing. You will be well compensated for this slight extra expense and effort. Use "Nitragin."



### LAXTON'S PROGRESS

The newest variety of garden peas of real merit. This also being an extra early variety maturing a few days earlier than Hundredfold or Laxtonian which in the past were the peers of this strain. The vines grow about 15 inches tall very vigorous and producing the largest pods of any extra early variety. The pods will average  $4\frac{1}{2}$  inches long containing 8 to 10 deep green large peas of excellent flavor. Although this variety being wrinkled it may be planted almost as early as the smooth pea varieties.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 10 lbs., \$2.60, postpaid.

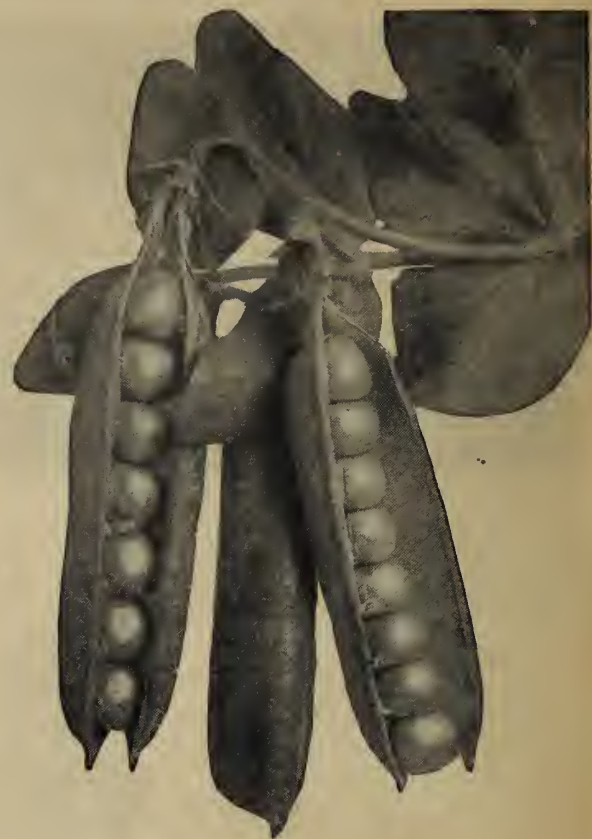
### GARDEN SUGGESTION

When first planting of Peas are through, spade in the vines and plant Cucumber or put in second planting of Beets or Carrots.



### THOMAS LAXTON

This variety resembles Gradus in habit, but is hardier, as early and foliage similar. The pod is darker in color and a little shorter, however, they are well filled and very prolific, generally exceeds the Gradus in this respect. Pods  $3\frac{1}{4}$  inches long. This variety is in great demand with the market growers for supplying the fancy markets. Length of straw, 36 inches.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.20; 10 lbs., \$2.50, postpaid.



### LITTLE MARVEL

(See Basket on Back Cover)

The best early dwarf variety. A favorite with the market gardener and excellent for home use. Pods are 3 inches long, heavily set, often producing in pairs, dark green in color, well filled to the ends. Vines are strong and robust, holding the pods well off of the ground. This variety cannot be recommended too highly. Straw 15 inches long.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

### NOTICE

Peas are not listed by the packet, as there would not be sufficient seed in a packet to produce a picking large enough to serve two people



### NOTT'S EXCELSIOR

This is one of the best dwarf wrinkled peas in cultivation. Very sweet and prolific. It resembles Premium Gem, but is more uniform in growth and a heavier yielder. The peas seem to be packed tight in the pods which are produced in great abundance on the straw. The pods are light green in color, straight and round,  $2\frac{1}{2}$  inches long. This is one of the most popular varieties with the market gardener and an excellent variety for the home garden. Length of straw, 14 inches.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**NITRAGIN**

For more vigorous growth and greater yield of Peas use NITRAGIN. Inoculator size for 1-2/3 bu. or 100 lbs., 90c; 1 bu., 60c;  $\frac{1}{2}$  bu., 40c; garden size, 25c.

In ordering specify for Peas.

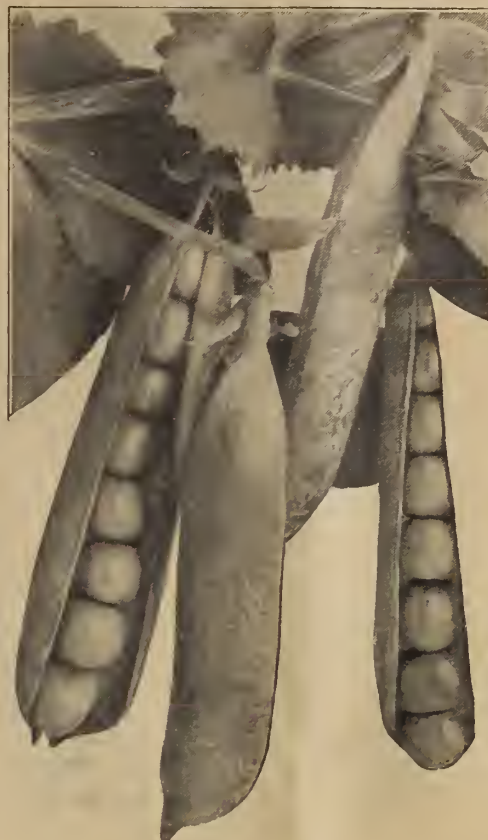


**BLISS EVERBEARING**

A variety vigorous and branching in habit of growth. The peas are borne very abundantly, and if kept picked the pods will continue to form. Pods 3 inches long, broad and wrinkled.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**GARDEN SUGGESTION**

When first planting of Peas are through, spade in the vines and plant Cucumber or put in second planting of Beets or Carrots.

**PREMIUM GEM**

There is no variety of the earlies that is more popular. It is hardy, prolific and uniform in habit and growth. Pods  $2\frac{1}{2}$  inches long, well filled in the end, containing peas of fine flavor which are produced about a week later than American Wonders. Straw 18 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**McLEAN'S LITTLE GEM**

Similar to Premium Gem, but more straggling in growth. This variety has been handed down over a great number of years and still retains its popularity with the market and home gardener. Straw 18 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**AMERICAN WONDER**

One of the well known early varieties that has been before the garden public for a great many years. An excellent sort for the home garden as well as market gardeners. It has dark green luxuriant foliage, leaves produced on one side of the stalk. Pods dark green, straight, well filled to the ends,  $2\frac{1}{2}$  inches long. Straw 10 inches in length.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**HORSFORD'S MARKET GARDEN**

This variety resembles Premium Gem in habit, but is about 10 days later. Producing pods in pairs very prolifically. The foliage is dark green. Pods  $2\frac{1}{2}$  inches long, straight and blunt. This sort is very popular with the canners as well as the market gardener. Straw 24 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**DWARF TELEPHONE OR DAISY**

A mid-season variety ripening about a week earlier than Stratagem. The pods are 4 inches long, broad, straight, round at the point, often containing 10 peas. This is remarkable for a dwarf variety. Length of straw, 20 inches.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**SHUMWAY'S PERFECTION**

The most delicious sweet early variety. A sort that will surely please those who wish to be the first on the market with green peas. Straw 18 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**IMPROVED LARGE TELEPHONE**

One of the grandest, largest late peas. Vigorous in growth, rich, dark green foliage. Pods, 5 to  $5\frac{1}{2}$  inches long, dark green. Extensively used for the select late market trade. An excellent yielder, therefore, profitable. Length of straw, 42 inches.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50, postpaid.

**LAXTONIAN**

This extremely early variety is really a giant of the Dwarf growing peas, remarkable for the small home garden, as it yields abundantly for the small space given to it. Pods 4 inches long and well filled with 8 dark green peas. Excellent flavor. This variety is also used by the market gardeners to supply the fancy markets, as it is the pea of real quality. Length of straw 18 inches. Ready for use 70 days after time of planting.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 10 lbs., \$2.65, postpaid.

**SUTTON'S EXCELSIOR**

This is a very popular dwarf wrinkled variety. Vines are somewhat more vigorous than Nott's Excelsior and equally productive. The pods are large, broad and well filled with large peas; heavily set and often produced in pairs, pale green in color. Straw 16 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.



**FIRST & BEST**

Productive extra early variety with a vigorous vine light in color and uniform in growth. Pods are straight,  $2\frac{3}{4}$  inches long, round, light in color with blunt ends. A desirable variety for the extra early market. Straw 30 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**SHUMWAY'S EXTRA EARLY PHILADELPHIA**

An exceedingly productive extra early variety. A sort that will stand very early planting. Vines are healthy and vigorous. Seed is light cream color and smooth. Pods  $2\frac{3}{4}$  inches long. Length of straw, 30 inches.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**MELTING SUGAR**

A large late sugar pod pea. The pods are edible and snap the same as beans without any strings. Extremely sweet, rich and tender, should be used while pods are small.  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.70, postpaid.

**LARGE WHITE MARROWFAT**

Hardy, vigorous, bearing prolifically. Pods 3 inches long near the top of the vines. This is one of the older varieties and many people prefer them to the varieties that are sweeter. This sort is also used for sowing with oats for feeding stock.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**AMEER**

Sometimes called Large Podded Alaska. It is similar in growth and appearance, but the pods are longer and the peas larger, about 3 inches long and slightly curved. A good variety for the market gardener as well as the home garden. Straw, 30 inches in length.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40.

**IMPROVED STRATAGEM**

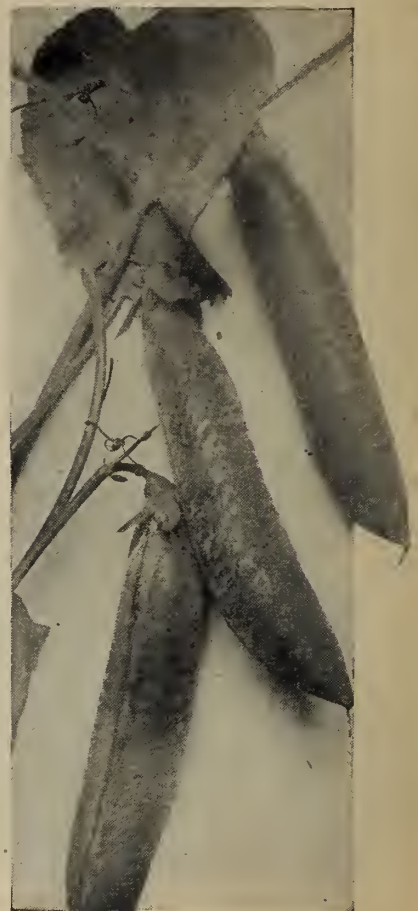
This variety comes into use after the Gems; it is a heavy cropper, very vigorous in habit, pods are  $4\frac{1}{2}$  inches in length, large, broad, dark green in color. Peas are of superior quality. An excellent variety for market and home use. Straw 20 inches long.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50.

**CHAMPION OF ENGLAND**

Prized highly by those who are fond of large, tender, luscious peas. Hardy and vigorous in growth, the pods are 3 inches long, blunt, dark green in color, nearly straight. One of the old standbys, remaining very popular. Straw, 48 inches in length.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50.

**ALASKA**

A variety extensively used by the canning factories. It is very early and when properly cared for will bear the peas at one time. The foliage is light green in color, the pods  $2\frac{1}{2}$  inches long, round and well filled. The seed is round, with a bluish cast, slightly pitted. This variety keeps well in the basket after being picked, making it a desirable variety for the early market. Height, about 30 inches.  $\frac{1}{2}$  lb., 16c; lb., 30c; 2 lbs., 57c; 5 lbs., \$1.25; 10 lbs., \$2.40, postpaid.

**ALDERMAN**

A large podded late variety,  $4\frac{1}{2}$  to 5 inches long and of excellent quality. The vines are vigorous and produce abundantly. A variety of merit for the market gardener. Length of straw, 45 inches.  $\frac{1}{2}$  lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30; 10 lbs., \$2.50.

For More Vigorous Growth and Greater Yield of Peas Use

Inoculator size for  $1\frac{1}{2}$  bu. or 100 lbs., 90c; 1 bu., 60c;  $\frac{1}{2}$  bu., 40c; garden size, 25c.

**NITRAGIN**

In Ordering Specify for Peas

**CLUB ORDERS**

Solicit your friends and neighbors for their seed orders. Send their orders in with yours, giving name and address of each. For this courtesy you may deduct 10% from each order taken amounting to \$1.00 or more, and apply the amount as part payment on your own seed requirements.

THESE ITEMS CAN BE SENT BY EXPRESS ONLY—PRICES QUOTED ARE  
F. O. B. ROCKFORD, ILL.

**Kill Ants in the Nest**

New Method "Gets" Them  
at Their Source . . . Safe,  
Permanent, Effective

The Antrol system is adapted to any size house or garden, and quickly destroys all species of sweet-eating ants. It is composed of small glass containers partially filled with special syrup and placed about the outside edges of the house or along ant "trails" in the garden. The ants smell the syrup, eat it, and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed.

The complete system should cover every fifteen feet around the outside of the house or ant "trails" in the garden. Once installed, permanent, effective, and safe protection is insured from these annoying pests. Prices—Antrol sets containing four containers and one 4-ounce bottle of syrup, 95c; Cottage set including 9 containers and 6 oz. bottle of syrup, \$1.75; Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottles, 45c; pints, 95c; gallons, \$3.75.



**ANTROL**

Kills Ants in the Nest

**Quickly Kills Garden Pests**

Science Provides  
New and Safe  
Method That

Does the Work Without Fuss  
Cutworms, Sowbugs, Grasshoppers, Slugs,  
Snails, Earwigs, Etc., Are Exterminated



Snarol is a ready-prepared meal that you simply broadcast on the ground, under the vegetation. These pests eat the meal, and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling, and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls, and make Snarol popular with professional gardeners and nurserymen. Prices— $1\frac{1}{2}$ -pound packages, 45c; 4-pound packages, 95c; 15-pound bags, \$3.50; 50-pound bags, \$9.50.

**SNAROL**

Quickly Kills Garden Pests



**GARDEN TROWEL, 20c**  
Handy tool in garden, or  
greenhouse.

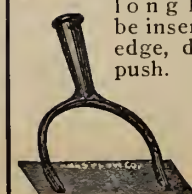


**HAZELTINE'S  
HAND-WEEDER**

A good, large,  
useful hand-tool,  
and is considered  
a desirable imple-  
ment. Sure to  
please. By mail,  
only 25c.

**SCUFFLE HOE**

A very useful  
tool on the farm  
or in a garden. A  
long handle can  
be inserted. Two  
edge, draw and  
push. Each by  
mail, 50c.



**Large Size, No.  
1, Plant  
Sprinkler, \$1.50**

Very nice for spraying  
plants, as well as watering  
seedlings.

**LANG'S  
HAND  
WEEDER**



**25¢  
By Mail  
PREPAID**

SEE PAGE 2 FOR NOT PREPAID QUANTITY PRICES



# Peppers (Sweet)



**HARRIS EARLY GIANT**

A new variety which is readily sought for on all markets. Early, beautiful red, extremely tender variety. Really a peer in the pepper family. Very desirable in size and for the preparing of all pepper delicacies. Should be planted by all who desire peppers in their garden. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.50;  $\frac{1}{2}$  lb., \$2.75; lb., \$5.00.



**MOUNTAIN SWEET**

A very popular pepper for salads and pickles. A glossy red thick flesh and is not pungent. This variety meets with ready sale wherever offered. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.45; lb., \$2.75.

## GARDEN SUGGESTION

Set Tomatoes, Cabbage, Egg Plant or Pepper Plants about 2 to 3 ft. apart in the Lettuce or Radish rows. This aids in diversification where garden space is limited.

## CULTURE

This vegetable should be handled the same as Egg Plant and Tomato, starting them indoors. They are easily grown, thriving in cold weather and will stand light late frosts. Transplant into the open ground about May 15th setting them 10 to 20 inches apart in the rows. The sweet varieties are favored by many for salads and when stuffed with chopped or force meat and baked, they are very delicious. The hot or pungent varieties such as Cayenne, Chili, and Celestial are used to flavor sauces and pickles.



**MAMMOTH GOLDEN QUEEN**

A novelty in the pepper family. Very large, bright, waxy golden yellow. Very mild, making them a delightful addition to salads. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.50;  $\frac{1}{2}$  lb., \$2.75; lb., \$5.00.



**RUBY KING**

Very large ruby red variety. Flesh thick, crisp and tender. Very prolific and sweet. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.45; lb., \$2.75.



**CHINESE GIANT**

This variety is correctly named as it produces fruit of an enormous size. Very prolific. The flesh is thick, tender and sweet. Very desirable for salads or to be stuffed and baked. This is the choice late variety. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.50;  $\frac{1}{2}$  lb., \$2.75; lb., \$5.00.



**PIMENTO**

This is the sweetest pepper grown; no trace of sharpness. The peppers are medium size and are grown abundantly on a well formed bush. An excellent variety to be used in salad or for baked stuffed peppers. Pkt., 7c; oz., 25c;  $\frac{1}{4}$  lb., 70c;  $\frac{1}{2}$  lb., \$1.30; lb., \$2.50.

## HOT, PUNGENT VARIETIES

### LONG RED CAYENNE

A well known, pungent, very sharp variety. Used in pickles and pepper sauce, also desirable for feeding birds. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.40.

### SMALL RED CHILI

Beautiful red pods about 2 inches long. They are very hot, desirable in the making of pepper sauce or pickles. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.40.



**CALIFORNIA WONDER**

(See inside front cover)

A new distinct variety. Very large, square ended, sweet pepper. The color is bright green and when ripe a brilliant crimson. The flesh is thick and smooth. This we consider exceptionally fine for salads as well as stuffing with forced meat for baking. Too much cannot be said of this variety. Pkt., 12c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75;  $\frac{1}{2}$  lb., \$3.25; lb., \$6.00.



**BULLNOSE OR LARGE BELL**

Large, extremely prolific mild variety. The skin is bright glossy red, flesh very thick. They sell readily on the markets, being a favorite pickling as well as salad variety. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.45; lb., \$2.75.





**LARGE YELLOW CONNECTICUT FIELD  
OR BIG TOM**

The old, well known, standard eastern sort for stock feeding. Can be grown anywhere. Very good for pies and sells well in market. Oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 3 lbs., \$1.75; 5 lbs., \$3.00, postage paid.

**KENTUCKY FIELD**

A fine grain, large sort and does well amongst corn. Very sweet and fine for pies or canning, and very rich food for stock. Heavy yielder. Oz., 8c;  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 35c; lb., 60c; 3 lbs., \$1.60; 5 lbs., \$2.75, postpaid.



**MAMMOTH JUMBO OR POT IRON**

This sort is generally used for stock feeding and for exhibition purposes. They are a bright lemon in color, mottled with orange; round with a trace of ribs. The flesh is very hard and firm. Matures in 120 days. Average weight, 60 lbs. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; lb., \$1.50; 2 lbs., \$2.75; 5 lbs., \$6.75, postpaid.



**TENNESSEE SWEET POTATO**

The fruit of this variety are pear or bell shaped. Medium size, white skin, slightly mottled with green strings. Average weight about 15 lbs. The flesh is creamy white, thick and sweet. It rivals the sweet potato in flavor, generally liked. Pkt., 8c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.

# Pumpkins



**LARGE CHEESE**

Similar to a cheese box in appearance. They are very flat, cream colored and slightly ribbed. Keeping qualities excellent. This is one of the older varieties which is still very popular. Very prolific and disease resistant. Matures in 110 days. Weight, 10 lbs. Pkt., 5c; oz., 8c;  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 35c; lb., 60c; 5 lbs., \$2.75, postpaid.

**NOTICE:** If you are in the market for 10 lbs. or more of Pumpkin Seed, write for special quotation.



**SUGAR**

This is also called Boston Pie and Sugar Pie. Without a doubt this is the best pumpkin for general use. It is late, very prolific, thick, sweet flesh. They are round and flat on the ends. Deep orange in color. It will store exceptionally well. Used largely for canning but more for home and market gardens. Matures in 120 days. Weight, 6 to 7 lbs. Pkt., 8c; oz., 12c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.00, postpaid.

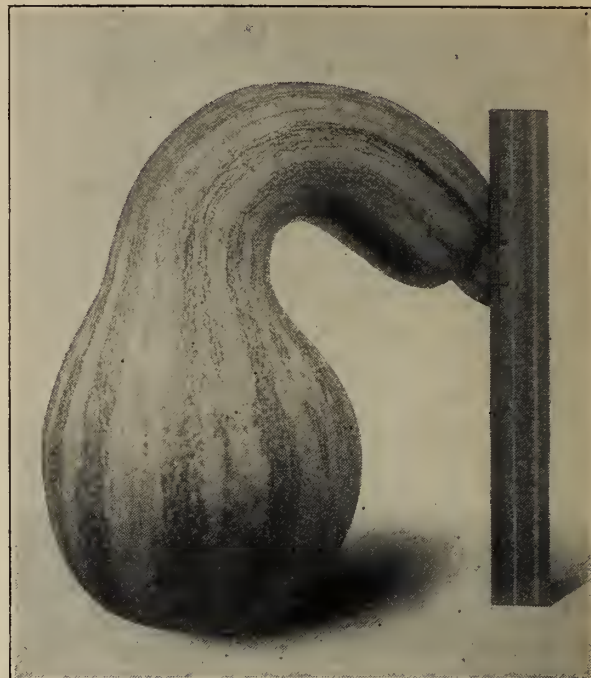
See Page 2 for Not Prepaid Prices.



**WINTER LUXURY OR QUEEN**

This is similar in size to the Sugar Pumpkin, but is covered with a fine netting. It is one of the sweetest and most prolific varieties. The color when ripe is a light orange. Average weight, 7 lbs. Matures in 100 days. A very desirable variety for pies. Pkt., 8c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.

## Crook-Necked Varieties



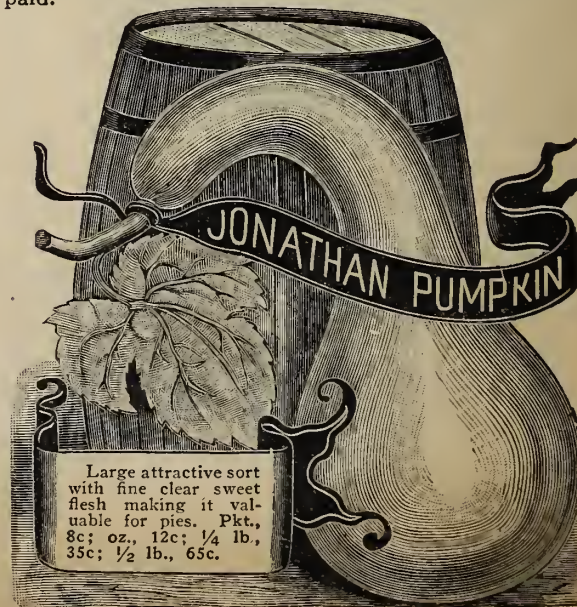
**STRIPED CUSHAW**

The rind is white mottled with irregular green stripes. Comparatively early and very prolific. Largely used for feeding stock. Average weight, 12 lbs. Matures in 120 days. Pkt., 8c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.



**JAPANESE PIE**

This is similar in shape to the Cushaw. Crook-necked, the skin is dark green. The seeds are large, showing a polish with markings similar to Chinese Letters. This is an early popular variety both for pies and for feeding stock. Matures in 115 days. Weight, 10 to 12 lbs. Pkt., 8c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.



Large attractive sort with fine clear sweet flesh making it valuable for pies. Pkt., 8c; oz., 12c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c.



# Radish

**CULTURE:** Sow as early as the ground can be worked, particularly the Round Red and Olive shaped varieties. After the first of May sow the long varieties. After the first of June sow the larger varieties such as Strasburg and Stuttgart. All winter varieties should not be sown until the 15th of July. Do not make the mistake of sowing your Radish too thick as they should stand at least  $\frac{1}{2}$  inch apart in the row. The larger varieties naturally require more space.



**SHUMWAY'S WHITE TIPPED  
SCARLET BEAUTY**

(See basket on back cover)

This variety is ready for table use three weeks after sowing the seed. They are desirable in size, uniform in shape with short tops. An exceptional variety for market gardeners and for the backyard gardens. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; lb., \$1.25; 5 lbs., \$5.50, postpaid.

## GARDEN SUGGESTION

Sow Radish seed in the row with Carrot. Radish will break the row for Carrot and mature long before Carrots have started to bulb.



**ICICLE RADISH**

This we consider the finest long white radish. It remains crisp and mild long after its maturity. It is ready for table use in about 23 or 24 days. We suggest a planting every week to 10 days so as to have a succession in your garden. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; 1 lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



**SPARKLER OR WHITE TIPPED SCARLET  
TURNIP**

The leading extra early variety for market gardeners, as well as home garden use. Very crisp, slow to become pithy as it is such an extremely early variety. This stock we offer is grown from transplanted stock assuring the planter the utmost in quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



**ROSY GEM**

This strain has come into popularity very rapidly. Beautiful red with a white tip. An excellent variety for bunching, as the quality is excellent and the tops are short. This variety cannot be recommended too highly. Market gardeners buy this in great quantities and make weekly plantings. It produces quickly, radishes of superior quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



**CRIMSON GIANT**

An all purpose variety. About twice the size of other sorts, but does not become pithy or strong. The flesh is a crystal white, tender, crisp and sweet. This variety makes a beautiful appearance when bunched and ready for market. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.

## WHITE VIENNA OR LADY FINGER RADISH

An ivory white, brittle, early, beautiful shaped long radish. Cannot be excelled for the market gardener or the home garden. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



**VICK'S SCARLET GLOBE**

(See Inside Front Cover)

This variety is recommended highly for its earliness. Excellent forcing quality and certainly one of the popular varieties for the open ground. Produces radishes scarlet in color, crisp and tender, in about 25 days. This sort seems to be able to stand the heat in dry weather without becoming pithy or strong. Foliage is small, making it a desirable variety for the market gardeners. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.

**NOTICE:** If you are in the market for large quantities of radish seed, 15 lbs. or more, write for special quotations.



**FRENCH BREAKFAST**

One of the well known varieties which is very popular for outdoor as well as growth under glass. Beautiful scarlet in color, with a white tip which lends to its appearance when bunched. Its quality is excellent, meeting practically all the demands placed upon it. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



**WHITE TIPPED OLIVE**

A variety that had its origin in France. One of the earliest and of exceptional quality. It is crisp and tender, beautiful scarlet in color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.





#### SHUMWAY'S MARKET OR CHARTIER

A long beautiful red variety, tips shade to snow-white. Quality is excellent and meets with ready sale where the market requires a long radish. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.

#### LONG SCARLET SHORT TOP

The name practically tells the story of this variety. It is a very crisp, clean appearing radish, making it desirable for the market as well as home gardens. Very fine quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.

#### BRIGHTEST LONG SCARLET

A desirable variety for home garden. The radish is a bright scarlet color, which blends to a pure white at the tip. This variety is usually ready for use in 25 days. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.



#### SCARLET OLIVE

An early olive-shaped variety of excellent quality. Beautiful and attractive in appearance. This variety is a good seller on the markets and very desirable in the home garden. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



#### EARLY SCARLET TURNIP OR BUTTON

This is a well known, very early variety of exceptional quality. Beautiful scarlet in color. Short top which makes it a desirable variety for the market gardener and in the home garden where space is scarce. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



#### LONG WHITE STRASBURG

The flesh of this variety is snow-white, tender and not sharp. Grows quickly and crisp. Ready for the market at any stage of growth. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.

#### Winter Varieties

Not to be sown until June 15th or after

#### JAPANESE WINTER

A stump root variety that grows to considerable size. Very solid ivory white in color. When stored in sand will keep well into the winter. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c.

#### MAMMOTH WHITE

Sometimes called California Mammoth Winter. This grows to an enormous size, often over a foot long. It is pure white, solid and brittle. Can be sown in July. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c.

#### CHINA ROSE

A bright rose color winter variety. Sow the seed the latter part of June to the last of July. Roots may be stored away for winter use. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c.

#### MAMMOTH WHITE CHINESE STUMP ROOT

This valuable variety can be used at all seasons of the year and be kept the same as the winter variety. This has all the desirable qualities that can be expected of a radish. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c.

#### LONG BLACK SPANISH

This variety is a dark purple in color, almost black. This sort keeps exceptionally well when stored for winter use. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c.



#### SHUMWAY'S GOLDEN GLOBE

A large, crisp, golden yellow variety which stands the heat the best of any of the strains. It grows rapidly and when not too large is very sweet and tender. Pkt., 6c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.



#### NON PLUS ULTRA

An extra early, bright red forcing variety as well as a desirable strain for outdoor planting. The flesh is a crystal white, crisp and juicy, of extra good quality. For those who produce radishes under glass this variety cannot be excelled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



#### CARMINE GLOBE

A new dazzling red variety that is ready for use ahead of many of the other sorts. As a forcing variety it cannot be excelled and remarkable as a producer in the open ground. Tender, sweet and crisp, which are the desirable points of a radish. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75, postpaid.



#### WHITE TURNIP OR BOX

The purest white round radish on the market. All of the fine qualities of the other varieties and makes a beautiful appearance when bunched with the scarlet sorts. Pkt., 5c; oz., 12c;  $\frac{1}{4}$  lb., 27c;  $\frac{1}{2}$  lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.

#### GIANT WHITE STUTTGART

A very large summer variety. Very slow to become pithy as it is able to withstand the heat. Recommended for market as well as home garden. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.



**LONG STANDING**

A variety very compact in growth, bearing thick, dark green leaves. Slow to throw off the seed stalk. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

**GARDEN SUGGESTION**

When Spinach is through, fertilize space and plant Bush Lima Beans or second planting of Snap Beans.

**NEW ZEALAND**

This is commonly called spinach, but in reality it is not. However, it is carried in this classification, as it supplies greens throughout the summer. It grows in bush form an abundance of stalks and leaves that are fleshy and brittle. The seed should not be sown until it has been soaked in warm water over night. Then sow in the open ground after May 1st or when the soil is fairly warm. The seed will not germinate in cold soil. Thin the plants in the row to stand about 18 inches to 2 feet apart, so as to allow sufficient room for growth. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

# Herbs

**CULTURE.** Herbs do the best in a rich mellow soil. The seeds are sown early in the spring rather shallow; when they are up a few inches thin out so they will stand the proper distance apart. For use, herbs should be cut on a dry day before in full blossom, tie up in bunches and hang where they can dry out quickly. The varieties marked with an asterisk \* are perennials.

- Anise: Used for garnishing and cordials. Pkt., 8c; oz., 30c.
- \* Balm: Used for tea or Balm wine. Pkt., 8c; oz., 30c.
- Basil, Sweet: Leaves are used for flavoring soups, stews, and highly seasoned dishes. Pkt., 10c; oz., 50c.
- Borage: The blossoms are excellent for bees. Leaves are used in salads. The flower spikes are used in cooling drinks. Pkt., 10c; oz., 30c.
- Caraway: Seeds are used for flavoring bread, cakes, etc. Pkt., 8c; oz., 20c.
- \* Catnip: Medicinal. Cats are very fond of it. It is also used as a seasoning. Pkt., 10c; oz., 50c.
- Coriander: The seeds are used in flavoring sausage and meats. Pkt., 10c; oz., 25c.
- Dill: Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 50c; lb., 90c.
- \* Fennel, Sweet: The leaves when boiled are used in sauces for fish, also makes a beautiful garnish. Seeds are used for flavoring. Pkt., 8c; oz., 20c.
- \* Horehound: Leaves are used for flavoring, also in the manufacture of remedies for coughs. Pkt., 8c; oz., 45c.
- \* Lavender: Grown chiefly for its flowers which are used in the manufacture of Perfume. Also to lay between linens for perfuming. Pkt., 8c; oz., 25c.
- \* Rosemary: Leaves are used for seasoning. Pkt., 10c; oz., 45c.
- \* Rue: For medicinal purposes. Used as a cure for roup in fowls. Pkt., 10c; oz., 50c.
- Saffron: Used for flavoring and coloring. Pkt., 10c; oz., 40c.
- \* Sage: The most popular herb for seasoning in dressings. Pkt., 10c; oz., 45c.
- Summer Savory: Leaves and young shoots used for flavoring. Pkt., 8c; oz., 25c.
- \* Sweet Marjoram: Leaves are used in the summer and dried in the winter for flavoring. Pkt., 10c; oz., 45c.
- \* Tansy: Used for seasoning. Pkt., 10c; oz., 50c.
- Thyme: Used for seasoning, also for a tea which is used for nervous headaches. Pkt., 10c; oz., 50c.
- \* Wormwood: Plant this in your poultry yard as it is very beneficial for chickens. Pkt., 8c; oz., 25c.

# Spinach

**CULTURE:** This excellent vegetable used for greens does the best in cool moist weather, therefore the seed should be sown as early as possible in the spring, planting 1 inch deep in rows about a foot apart, thinning out as growth continues so they stand 4 to 5 inches apart in the rows. When warm weather comes on it will bolt to seed quite quickly.

King of Denmark, and Princess Juliana are the slowest to seed of any. New Zealand is the variety from which the tender shoots are picked off and a small patch provides greens all summer long. It is well to start a planting of Spinach the last of August and this planting will afford delightful vegetables again in the fall.

Spinach has been found very beneficial through scientific research work as it possesses a great vitamin content. The medical profession advises its use in the feeding of babies according to their directions.

**LONG STANDING BLOOMSDALE SAVOY**

A new strain of the Bloomsdale Savoy. Re-selected, very slow to bolt to seed. A very desirable variety, as the leaves are decidedly crumpled, very fleshy, allowing it to lie in hampers rather lightly. Very early and of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.50, postage paid.

**VICTORIA OR PERFECTION**

This variety is rather slow to go to seed. It is of the Savoy type, broad, crumpled, dark green, leaves of superior quality. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.50, postpaid.

**ROUND LEAF**

A splendid variety desirable for home or market. Leaves are quite crumpled, brittle and tender. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.50, postpaid.

**PRICKLY-SEEDED**

A very hardy variety, particularly adapted to late planting. Sow in August or first part of September for fall use. Can be planted in the fall, last part of October or first of November, and allowed to remain in the ground over winter, germinating in the spring and producing early. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.50, postpaid.

**NOTICE:** If you are in the market for large quantities of spinach seed, 25 lbs. or over, write for special quotations.

**MAMMOTH RUSSIAN SUNFLOWER**

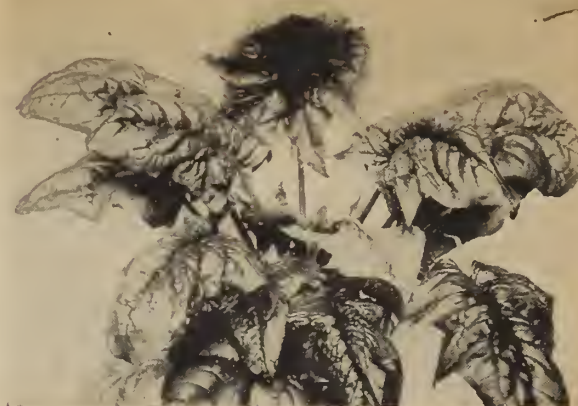
This item should be planted liberally as it produces an abundance of seeds which are more valuable for feeding poultry than other food. Particularly fine for fowl during the molting season. It can be grown anywhere, in places where other crops have made only a partial stand. The stalks make exceptionally good kindling and if burned with the heads of seeds make very hot fire. This plant grows very large. ¼ lb., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85, postpaid. See page 41 for not prepaid prices.

**KING OF DENMARK OR ANTORSKOV**

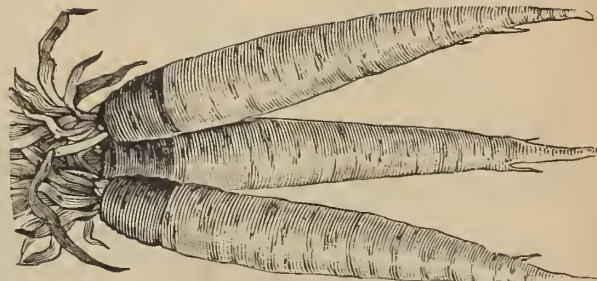
Without exception this is one of the finest varieties grown. It is practically as early as any of the other varieties but is very slow going to seed, which makes it an exceptionally fine sort for the shipper and market gardener. The leaves are large, slightly crumpled, dark green in color. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

**PRINCESS JULIANA**

A selection made from King of Denmark. Equal in quality in every respect, but still a variety that is very late in throwing off the seed stalk. Spinach has both male and female plants, the male throws the seed first, therefore in selecting the strain the male plants were eliminated, resulting in a strain that is particularly adapted for shippers. We highly recommend this Spinach. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

**MONSTROUS VIROFLAY**

A quick growing variety used extensively by the gardeners in the South. A profuse yielder of large leaves. A desirable variety for either spring or fall planting. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.50, postpaid.

**SALSIFY OR VEGETABLE OYSTER**

This vegetable surpasses carrots or parsnips in richness. It should be grown more generally, as it affords a pleasing variation for the table, when boiled or fried, or after par-boiling can be grated, rolled into flattened balls and fried. The winter supply should be taken out before the ground is frozen and stored away in sand for the winter. Allow some to remain in the garden throughout the winter and lift in the spring before any growth has started and you will find the flavor improved.

**MAMMOTH SANDWICH ISLAND**

Uniform in growth, large and of excellent quality. Pkt., 10c; oz., 22c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00.

**LONG WHITE**

A pure white strain. Pkt., 10c; oz., 15c; ¼ lb., 50c; ½ lb., 95c; lb., \$1.80.



# Squash

1 oz. of seed for 20 to 25 hills and 3 to 5 lbs. to the acre.

Before going into the method of handling Squash it is well to call the attention to the fact that Scientists are now aware of the fact that vitamins appear in considerable quantity in Squash. They should be fed to children who are backward in physical development.

**CULTURE:** Squash should be planted about the same time one plants corn. Squash also are heavy feeders, therefore it would be well to plant them in heavy manured hills. The summer sorts in hills 4 to 5 feet apart each way, the winter varieties 10 to 12 feet apart each way dropping 10 to 12 seeds in a hill and thinning out after the danger of the insects is past. Use "SLUG SHOT" or "Kalite" to repel the Squash beetle as well as the Yellow Striped beetle.

**NOTICE:** If you are in the market for large quantities of squash seed, 10 lbs. or over, write for special quotations.



**CHICAGO WARTED HUBBARD**

Slightly larger than Improved Hubbard and thickly covered with warts. Color is bronze green, very attractive. Flesh thick and golden in color. An excellent winter squash. Will average about 2 lbs., heavier than the Improved Hubbard. Edible in 120 days. Size, 14x9. Weight, 15 lbs. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.

**TRUE HUBBARD SQUASH**

The most popular of the winter varieties. They are pointed at both ends, moderately warty. Deep green in color, flesh is dry, thick, and sweet. Average weight about 12 lbs. Edible in 120 days. Size 9x12 inches. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.

**DELICIOUS**

The winter squash of quality. The fruit of this variety varies in size averaging about 8 lbs. Top shaped. The rind is thin and even green. The flesh is very thick and dark orange in color. It has excellent keeping qualities. The name rightfully describes this variety. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.



**COCOZELLE. Also called Italian Marrow**

Long, cylindrical in shape, tapering slightly to the stem end. A summer variety used when immature. The skin is dark green, changing to stripes of green and gold as it ripens. Very productive. 12 to 16 inches long. 5 to 6 inches in diameter. Edible in 60 days. Weight, about 4 lbs. Pkt., 10c; oz., 18c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.



**Giant Summer Crookneck**

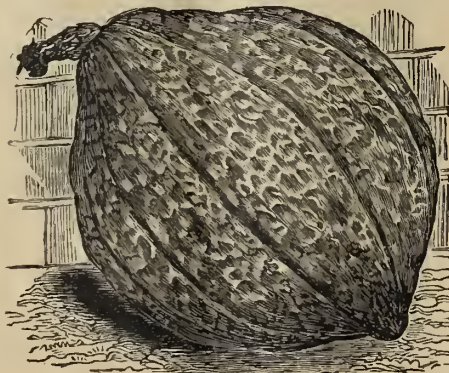


**MAMMOTH WHITE BUSH SCALLOP**

The fruits are of fair size, quite flat, with scalloped edges. Very prolific, disease resistant. The fruits are 8 inches in diameter and 3 inches thick. Edible in 55 days. Weight 2½ lbs. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$4.75, postpaid.

**GOLDEN CUSTARD**

This strain is similar in all respects to the Mammoth White Bush Scallop, except for its color. This sort, golden yellow. Very prolific. Edible in 55 days. Size 14x4. Average weight 5 lbs. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$4.75, postpaid.



**ORANGE MARROW**

The rind of this variety is orange red in color, similar in shape to the Hubbards. It is early, extremely prolific, flesh rich, sweet, and dry. Fruit weighs about 7 lbs. Edible in 100 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



**BLUE HUBBARD**

A strain developed in the New England states, quality excellent. Very attractive in appearance on account of the color, which is blue. This Hubbard also is a good keeper. Edible in 120 days. Size, 9x4 inches. Average weight, 12 lbs. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.

**FORDHOOK**

A bright yellow winter variety. The flesh is dry and sweet. Very rapid in growth. Prolific and excellent keeper. Practically in good condition all through the winter. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., \$1.00; 5 lbs., \$4.50, postpaid.



**DES MOINES OR TABLE QUEEN**

(See basket on back cover)

Without a doubt the finest flavored small squash for baking, known. It is the ideal size to cut in half and prepare for the table. Size 6 to 7 inches long and 4 to 5 inches in diameter, being produced very prolifically on a running vine. This variety is ready for use before the Hubbard, and can be stored away and kept equally as well. Flesh is bright golden in color, dry and mealy. Pkt., 10c; oz., 18c; ¼ lb., 55c; ½ lb., \$1.00; lb., \$1.75.



**SHUMWAY'S MEXICAN BANANA SQUASH**

Introduced from Mexico by R. H. Shumway a great many years ago. A long type of winter squash. The rind is a slate gray in color, flesh very thick, golden, vying with the sweet potato in flavor. Length, 24 inches by 5 or 6 in diameter. Keeps well into the winter. Edible in 120 days. Pkt., 10c; oz., 18c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.



**GOLDEN HUBBARD**

A little smaller than the Improved Hubbard. Rind is a golden yellow and warty. This is the earliest of the Hubbard strain, and more prolific. This sort is a favorite with the canners and is an excellent winter squash. Fruits average about 8 lbs. Size 8x11 inches. Edible in 110 days. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.



# TOMATO



## DWARF STONE

This is a main crop scarlet fruited variety. The fruit is medium to rather large size, quite thick and smooth, with 4 to 7 seed cells and the fruit sets in clusters of 4 to 5. The vine is of the Dwarf or Tree type and shows good wilt-resistance. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00;  $\frac{1}{2}$  lb., \$1.85; lb., \$3.50.

## STONE

Bright red smooth main crop variety. Ripens evenly to the stem, no hard core. Excellent canning and market variety. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.25; lb., \$2.30.

You can't afford not to buy Shumway's Seeds. The quality is unsurpassed, germination the highest, and prices the lowest in years.  
"To have a garden is the right step toward thrift and health."



## SHUMWAY'S SENSATION

(See basket on back cover)

An introduction in the main crop division of the tomato family of real merit. This variety has shown under trials strong resistance to wilt. The large fruits are smooth and scarlet in color, shy seeders, setting five to seven in a cluster. The vines are open in growth which allows uniformity in ripening. An excellent tomato for salads and canning as well as one for tomato juice of remarkable sparkling flavor. Pkt., 20c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., \$1.10; 1 oz., \$2.00.

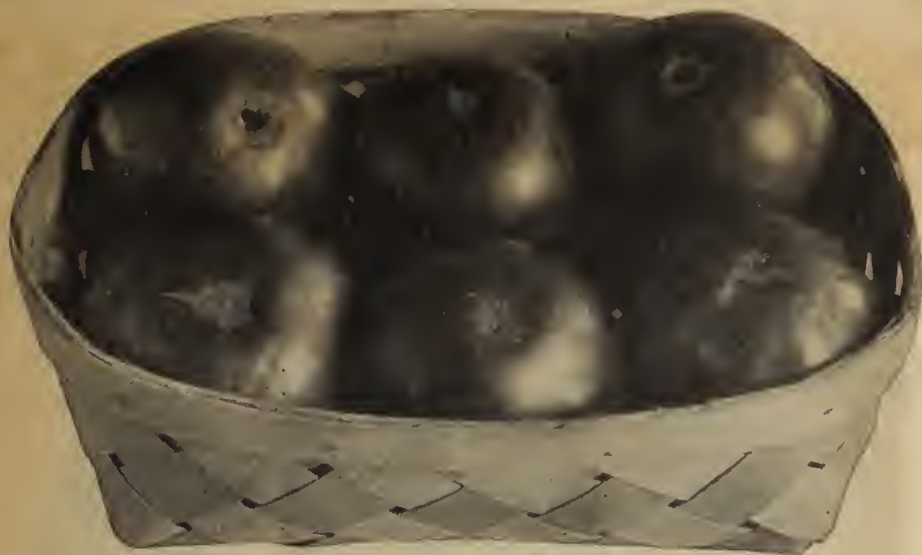


## CHALK'S EARLY JEWEL

Two weeks later than Earliana, but a heavier cropper, producing tomatoes of larger size and sweeter flavor. Fruits are very solid, deep, ripening well up to the stem without cracking, forms in clusters of 5 to 7. The flesh is solid, thick, comparatively few seeds. A recommended variety. Ready for market in 95 days. Pkt., 8c; oz., 35c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.50; lb., \$2.80.

## MATCHLESS TOMATO

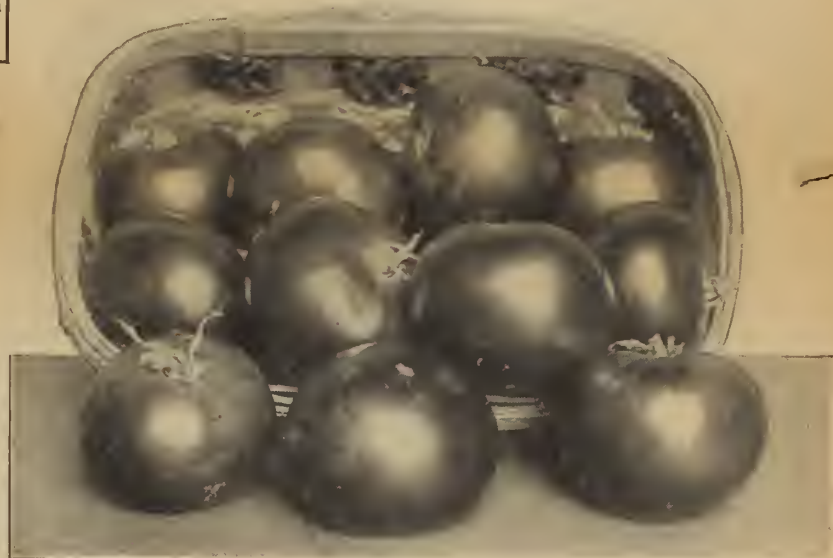
A solid, smooth, beautiful red variety. Prolifically produced in clusters of 4 to 6 on strong vines. Good keeper, fine for market and home use. Pkt., 7c; oz., 30c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.40; lb., \$2.70.



## GIANT PONDEROSA

The Large Tomato of Quality

This is the largest of the pink fruited varieties. Vines strong and when pruned to a single stalk fruit will weigh 1 lb. Tomatoes borne in clusters quite open of 3 to 5. Very solid flesh, few seeds. Pkt., 10c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50;  $\frac{1}{2}$  lb., \$2.85; lb., \$5.50.



## JOHN BAER

A new variety, glossy red in color. Its size and shape are about the same as Earliana; however, fruit is a little thicker from stem to blossom end. One of the earliest, most solid tomatoes known. Ripens evenly up to the stem and does not crack open when ripe. Vines loaded with fruit forming in clusters of 4 to 6. A profitable variety to grow. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c;  $\frac{1}{2}$  lb., \$1.60; lb., \$3.00.

## BREAK O'DAY

A new wilt-resistant tomato that was brought out by Mr. F. J. Pritchard, Washington, D. C. This tomato is globular in shape similar to Marglobe but larger, and as productive. It is about as early as Earliana. We feel that with the development of this new tomato it will displace many of the older types as people come to know it. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 60c;  $\frac{1}{4}$  lb., \$2.25.

## GARDEN SUGGESTION

Set Tomatoes, Cabbage, Egg Plant or Pepper Plants about 2 to 3 ft. apart in the Lettuce or Radish rows. This aids in diversification where garden space is limited.

## NORTON WILT RESISTANT

This is a maincrop, scarlet fruited variety. It is similar to the Stone but selected for wilt resistance by the United States Dept. of Agriculture. The fruits are medium size, smooth and solid, borne in clusters of 6 to 8. It is a heavy bearing variety and yields an excellent crop. One of the best long distance shippers. If you are in a territory where tomatoes are affected by wilt this variety should be grown. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.10;  $\frac{1}{2}$  lb., \$2.10; lb., \$3.90.



## SHUMWAY'S GARDEN KING

The tomato of quality. The fruits, which are in clusters of 5 to 7, are very large and smooth, solid meat and very few seeds. Very productive, medium early, ripening in about 100 to 110 days. Very uniform in its ripening and remains in good condition on the vine for a long time. This tomato cannot be surpassed. Pkt., 10c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50;  $\frac{1}{2}$  lb., \$2.90; lb., \$5.50.



## MARGLOBE

The newest wilt resistant variety. It is scarlet fruited maincrop and originated by the United States Dept. of Agriculture. The fruit is of medium size, smooth, solid and deep. They set in clusters of 5 to 7 on the vines. An exceptional variety for the market gardener and shipper. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20;  $\frac{1}{2}$  lb., \$2.15; lb., \$4.00.



**OXHEART TOMATO**

(See inside front cover page)

**Grow Some BIG Tomatoes. Outdo Your Neighbors**

A very attractive extremely large pink tomato. It is almost seedless and in many of the tomatoes the flesh is often 2 inches thick with almost no seed cavity. It is not uncommon to find specimens that weigh 3 lbs.; larger ones have been found. Because of its unusual shape, large size and its excellent flavor Oxheart is rapidly coming into favor. Outdo your neighbor in size of tomatoes, surprise him as well as yourself. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

**JUNE PINK**

The best extra early pink variety. Resembles Earliana in every way except color. Fruits grow in clusters of 5 to 8 and begin to ripen early, bearing all through the season. Ready for market in 95 days. Pkt., 10c; oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.75.

**CRIMSON CUSHION**

Another very large bright scarlet tomato, carried in clusters of 4 to 6. It is a shy seeder with flesh that is very solid and meaty, making it a very desirable table variety. Where size plus quality is desired this variety cannot be surpassed. Pkt., 10c; oz., 35c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.

**LIVINGSTON'S BEAUTY**

A very popular large purplish variety for home, market or shipping purposes. It is early, strong grower, and a heavy yielder. The fruit is smooth, perfect shape, and excellent quality, growing in clusters of 4 to 6. The outstanding features are tough skin, few seeds, slow to crack, and seldom rots after a rain. This variety is ready for table use in 105 days from seed. Pkt., 8c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.70; lb., \$3.25.

**ALBINO OR WHITE BEAUTY (NEW)**

We are now able to offer a white tomato of good quality. Albino is practically free from acid which is welcomed by hundreds of people who heretofore have had to avoid tomatoes on account of the acidity. This variety is Ivory white in color with the flesh a pure white. Its size is about the same as Stone. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

**BONNY BEST**

A large second early red tomato known for its solidity, smoothness and even ripening. The fruits run very uniform in size, borne in clusters of 4 to 8, bright scarlet in color. An extra fine market variety ready for use in 100 days from seed. Pkt., 8c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.50; lb., \$2.75.

**LIVINGSTON'S GLOBE**

An excellent all round variety of distinct shape. This may be classed as a second early. The fruits are fairly large, smooth, and of firm flesh, few seeds, borne in clusters of 5 to 7. It is exceedingly productive and unequalled for a main crop variety. This is used extensively by the large tomato growers and truckers of the country. Ready for market in 100 days from seed. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; ½ lb., \$2.35; lb., \$4.25.

**PERFECTION**

An ideal tomato. It is smooth, large, solid and of excellent quality. Its beautiful dark red color makes it very attractive on the market. It ripens well up to the stem without cracking. Skin is tough. Ready in 110 days from time of planting seed. Pkt., 8c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.50; lb., \$2.75.

**BUCKEYE STATE TOMATO**

A very large variety that is solid, heavy and firm. Deep red in color. One of the finest quality for market and home garden. Its beautiful shape commands high prices when offered. Pkt., 10c; oz., 35c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.

**CULTURE**

To secure plants for early planting we advise planting the seed indoors about the middle of February. When about 3 inches tall transplant into larger boxes where they will stand 4 inches apart. When the ground is warm about the 10th to 15th of May transplant into the open ground about 3 feet apart, using well rotted stable manure as a fertilizer. Use "SLUG SHOT" or "KALITE" to protect the plants from the tomato worm.

**DWARF CHAMPION OR BUSH TOMATO**

In this variety you have a compact, upright, early, smooth sort. The fruits are in clusters of 4 to 5 of medium size, smooth, symmetrical, purplish pink in color, with flesh very solid. The vine is strong and stiff, therefore requiring very little support. Pkt., 10c; oz., 40c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.



## GARDEN SUGGESTION

Plant enough Lettuce so as to provide green feed for chickens. When Lettuce is up, set Tomato Plants in the row, 3 ft. apart.



## SPARK'S EARLIANA

A very popular extra early red variety, producing fruits of good size, forming in clusters of 6 to 10, smooth and solid. The bush is compact in growth with stout branches. Fruit ready for market in 90 days. Pkt., 10c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.45; 1 lb., \$2.80.



## FAVORITE

An early smooth, firm tomato, deep red in color. This variety ships well, is splendid for canning, market and family use. Its beautiful dark red color makes it one that is readily sought out in the markets, therefore making it a profitable variety. Pkt., 10c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.45; 1 lb., \$2.80.

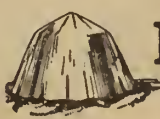
## PEAR SHAPED TOMATO

This variety is wonderfully productive and very ornamental. Very nice when served in salads or as preserves. Yellow Pear: Pkt., 10c; oz., 40c. Red Pear: Pkt., 10c; oz., 40c.



## PEACH

Largely used in fancy salads and for preserving. It is very distinct, beautiful in appearance, uniform in size, deep rose in color. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.



Germaco  
**Hotkaps**  
New Method of  
Plant Protection

Should be used to protect early planted tomatoes from frost.  
See Page 12

We Send Extra Packets of Seeds,  
for Trial, with All Seed Orders.



## GOLDEN QUEEN

A variety bearing fruit of good size, smooth, solid, and meaty. Color is bright yellow, which makes it very attractive when served with the red fruited varieties. Without doubt the best yellow tomato grown. Pkt., 10c; oz., 40c; ¼ lb., \$1.10; ½ lb., \$2.10; 1 lb., \$4.00.

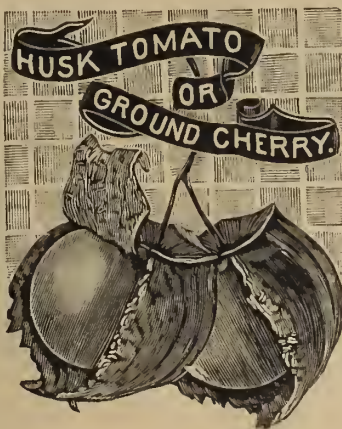


## ACME TOMATO

Beautiful deep rose, smooth, solid. Fine for market and family use. Early, prolific. Every one absolutely perfect. Five seed cells, fruit in clusters of 5 to 7. Pkt., 10c; oz., 35c; ¼ lb., 80c; ½ lb., \$1.50; 1 lb., \$2.80.

## HUSK TOMATO OR GROUND CHERRY

A valuable berry which is contained in a husk and is excellent for preserves and pies. When dried in sugar they make an excellent sweet fruit to put in cakes equal to figs, citron, raisins, etc. It is sometimes called Strawberry Tomato, Winter Cherry, Ground Cherry. They grow about a foot high and are covered with husks containing the little fruit. Golden Husk: Pkt., 8c; oz., 25c. Purple Husk: Pkt., 8c; oz., 25c.



## SHEPS PLANT-SPRAY



This NON-POISONOUS spray gives positive protection against both sucking and chewing insect pests, including Aphids, Thrips, Green Flies, White Flies, Mealy Bugs, Worms, Caterpillars and others. Harmless to humans, birds, animals and pets. Will not injure the most delicate plants. Benefits soil and foliage. Absolutely the easiest spray to mix—no soap solution, perfect emulsion—20 seconds from bottle to plant.

## PRICES POSTPAID

2-oz. Bottle (makes 4 gals Spray Sol.)	....	\$ .35
8-oz. Bottle	....	.75
Pint Bottle	....	1.25
Quart Can	....	2.00
Gallon Can	....	6.35

## NEW WAY TO KILL GARDEN BUGS

PROTECT your flowers and vegetables this new way. Surprisingly easy! Simply sprinkle with a new kind of powder called PLANT-GARD. Not only are bugs, worms, and insects killed, but this almost magical powder also fertilizes the ground. No wonder flowers grow larger and brighter colored! Vegetables mature quicker and are more tasty! Just by using Plantgard, the only sure, guaranteed absolutely NON-POISONOUS insecticide. Yet it costs only a few cents to protect an entire garden bed. You get a big box of Plantgard for 35c—larger size 60c. Also offered in bulk at very attractive prices.



Non-Poisonous  
Fertilizes

**Plantgard**  
FOR GARDEN PROTECTION

## Kingsbury Garden Kit



This set of four tools is made of the finest steel, very sturdy and guaranteed against breakage in any garden work. Set complete as shown \$1.50 postage paid, or if you desire any one of the 4, sold at 40c each. Reading from left to right, Fork, Transplanting Trowel, Garden Trowel, and Cultivator.



Use SLUG SHOT by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Currant Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over a half century of successful use.

## POSTPAID PRICES

1 lb. Round Perforated Tin Top Canister	.....	\$0.30
5 lb. Tin Top-Bottom Canister	.....	1.00
10 lb. Can	.....	1.90



# Turnip



**WHITE EGG**

Good size, used for early or late sowing. Thin skin, fine grained and sweet, solid beautiful shaped. An excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

**EARLY SNOWBALL OR SIX WEEKS TURNIP**

On account of its extreme earliness it is of great value and much admired for bunching for the early markets. Good size, very smooth, tender, sweet, and crisp. This is one of the best keepers of the early varieties. Quality is unsurpassed. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

**JERSEY LILY TURNIP**

A beautiful clear white early sweet turnip. Very desirable for early summer use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.



**SEVEN TOP**

This is not a bulbous variety but it grows a mass of luxuriant tops which are excellent to use for greens or feeding stock; not damaged by frost. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.10, postpaid.



**PURPLE TOP WHITE GLOBE**

This splendid variety is the finest keeper of the fall turnips. Attractive shape and color makes it very pleasing in appearance but the quality of flesh makes it one of the most desirable of all varieties. A great yielder producing great tonnage on a small tract. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**GOLDEN GLOBE OR ORANGE JELLY TURNIP**

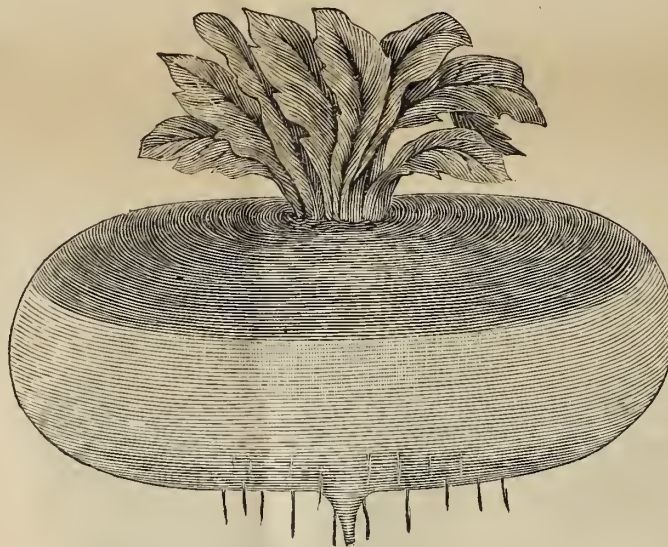
An early bright yellow variety of medium size, deliciously sweet and a good keeper. An excellent variety for the market gardener as well as the home garden. A remarkable turnip for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**YELLOW ABERDEEN**

A large purple top golden yellow variety. Globe shaped, very productive and a good keeper. Excellent for table use or stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**GARDEN SUGGESTION**

When first planting of beans are through, take out vines and put in second planting of beans or sow turnip for late use.



**LARGE WHITE FLAT FIELD**

A large turnip that will supply an abundance of food for stock. Every farmer should raise a good supply of root crops for winter feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**LARGE WHITE NORFOLK**

One of the best varieties for field culture. It always makes a big return for the area given it. Two to three lbs., sown to the acre broadcast will produce about all the root storage one would desire for the winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**EARLY LARGE FLAT DUTCH**

An excellent general crop variety. Good for table and feeding stock. Good keepers if not allowed to become too large. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**LONG WHITE COWHORN**

A stock variety that grows practically half out of the ground. Grows very rapidly and the flesh is fine grained of good quality. This sort is a good renovator for the soil as it roots deeply. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**WHITE SWEET RUSSIAN**

An admirable variety for table use and feeding stock. An immense crop can be grown at a very little expense. A very profitable crop for the farmer. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

**LAING'S IMPROVED**

This is a round shape, early English variety. An excellent table as well as stock sort. The flesh is yellow with a purple skin. A very good keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

**SKIRVING'S PURPLE TOP**

A well known hardy yellow variety. Good for table or feeding stock. One of the very largest varieties and a profitable cropper and easily grown. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

All varieties Rutabaga, 5 lbs., \$2.50, postpaid.



**EXTRA EARLY MILAN**

This is the earliest variety of turnip. The skin is smooth, pure white polished appearance. Flesh is very fine grained and of excellent quality. Medium size, with few tops, making it a very desirable variety for the gardener. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.50, postpaid.

**EARLY MUNICH PURPLE TOP**

A very productive large extra early variety. Good variety for bunching. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

**PURPLE TOP STRAP LEAF**

The well known standard table variety. Broad shape, medium size, fine grained white flesh. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.35, postpaid.

**NOTICE:** If you are in the market for large quantities of turnip seed, 10 lbs. or over, write for special quotation.



**VINE PEACH**

A short time after these are ripe they become mellow and fit for use in making pickles, pies, preserves or to fry in butter before ripe. It is very desirable in localities where fruit is scarce or high in price. Pkt., 10c; oz., 30c.



**CURLED CRESS OR PEPPER GRASS**

A desirable vegetable with a pungent flavor, to be mixed with lettuce or other vegetables for salads. Grows quickly and is ready for use with other vegetables. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10.

## Rutabagas

**IMPERIAL HARDY**

Large rich yellow productive variety. Equal to others and very hardy. A moderate freezing seems to sweeten them. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

**MONARCH SWEDE OR ELEPHANT**

This is one of the finest of the Rutabagas. It grows considerably out of the ground, with a small neck and few leaves. The flesh is a rich yellow, solid. An excellent keeper, cannot be surpassed for table or stock use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.



# Farm Seeds of High Germination and Purity



Our stocks of clover and grasses are of the finest purity modern machinery can make them; all state tested. On receipt of your seed you may subject it to your state laboratories for analysis and if you are not entirely satisfied with its quality, you may return same at our expense and your money will be refunded. All Quotations F. O. B. Rockford. No Charge for Grain Bags.

## WARNING

Many of our farmers fail to realize the full value of high purity clover and grass seeds. To bring the point home more closely let's take two stocks of clover seed for example: one 99.75% pure, the other 96.25% pure. "One might say there isn't much difference," but let's figure it out by subtracting the percentages. We find a difference of 3½%. Then take 3½% of 60 lbs. and we have 2.1 lbs. There is the difference. To the farmer buying the 96.25% pure at a lower price, he is buying 2.1 lbs. of chaff, sand and weeds, at clover or grass prices, which certainly he doesn't want to put into his soil. Figure it out in this manner and then make your purchases. Everyone has enough weeds without buying them.

## CLOVERS

**Medium Red or June Clover.** (99:50%) (60 lb. to bu.). Sow 10 to 15 lbs. to the acre. 100 lbs., \$19.00; 1 bu., \$11.75; ½ bu., \$6.00; ¼ bu., \$3.10; ⅛ bu., \$1.60.

**Alsike.** (99%) (60 lbs. to bu.). Sow 8 to 10 lbs. to the acre. 100 lbs., \$18.00; 1 bu., \$10.80; ½ bu., \$5.50; ¼ bu., \$2.85; ⅛ bu., \$1.50.

**Mammoth or (Sapling) Red Clover.** (99:25%) (60 lbs. to bu.). Sow 10 to 15 lbs. to the acre. 100 lbs., \$19.00; 1 bu., \$11.75; ½ bu., \$6.00; ¼ bu., \$3.10; ⅛ bu., \$1.60.

**White Blossom Sweet Clover.** (99%) (Melotius Alba) (Biennial). Hulled and scarified. Sow 15 to 20 lbs. to the acre. 100 lbs., \$8.00; 1 bu., \$4.80; ½ bu., \$2.50; ¼ bu., \$1.30; ⅛ bu., 75c.

**Yellow Blossom Sweet Clover.** (99%) (Biennial). Sow 15 to 20 lbs. to the acre. 100 lbs., \$8.75; 1 bu., \$5.25; ½ bu., \$2.75; ¼ bu., \$1.45; ⅛ bu., 80c.

**Crimson Clover or Giant Incarnate.** (99%) (60 lbs. to the bu.). To be used south of the Ohio River. Sow 15 lbs. to the acre. 100 lbs., \$11.00; 1 bu., \$6.65; ½ bu., \$3.35; ¼ bu., \$1.75; ⅛ bu., 90c.

**Alsike and Timothy Mixed.** Containing 15 to 20% of Alsike. Sow 10 to 15 lbs. to the acre. 100 lbs., \$8.50; 50 lbs., \$4.35; 25 lbs., \$2.25; 10 lbs., \$1.00.

## ALFALFAS

### COMMON

(Sow 15 to 20 lbs. to acre)

**Northwestern Grown** (60 lbs. to bu.). 99:35% pure or better. 100 lbs., \$19.50; 1 bu., \$11.75; ½ bu., \$6.00; ¼ bu., \$3.15; ⅛ bu., \$1.60.

**Idaho Grown** (60 lbs. to bu.). 99:35% pure or better. 100 lbs., \$20.00; 1 bu., \$12.00; ½ bu., \$6.25; ¼ bu., \$3.25; ⅛ bu., \$1.65.

**Montana Grown** (60 lbs. to bu.). 99:35% pure or better. 100 lbs., \$21.00; 1 bu., \$12.60; ½ bu., \$6.40; ¼ bu., \$3.30; ⅛ bu., \$1.70.

**Dakota Grown** (60 lbs. to bu.). 99:35% pure or better. 100 lbs., \$21.00; 1 bu., \$12.60; ½ bu., \$6.40; ¼ bu., \$3.30; ⅛ bu., \$1.70.

### COSSACK ALFALFA

Sow 15 to 20 lbs. to the acre. (60 lbs. to the bu.) (99:35%). Field inspected. Certified and sealed by State authorities. 100 lbs., \$28.00; ½ bu., \$8.75; 1 bu., \$17.00.

### GRIMM ALFALFA

99:50% pure or better

**Idaho Grown Blue Tag.** Field inspected. Certified and sealed by State authorities. (Bushel bags only), \$17.50.

**Montana Grown Blue Tag.** Field inspected. Certified and sealed by State authorities. (Bushel bags only), \$17.50.

**Blackfoot Blue Tag.** Association certificate. ½ bu. and bushel bags only. ½ bu., \$9.00; bu., \$17.75.

## GRASSES

**Timothy** (99:60% pure or better). (45 lbs. to bu.). Sow 10 to 15 lbs. to the acre. 100 lbs., \$6.50; 1 bu., \$2.95; ½ bu., \$1.55; ¼ bu., 80c.

**Timothy and Alsike Mixture.** 15 to 20% Alsike. 100 lbs., \$8.50; 50 lbs., \$4.35; 25 lbs., \$2.25; 10 lbs., \$1.00.

**Orchard Grass.** Sow 15 to 20 lbs. to the acre. 100 lbs., \$12.00; 50 lbs., \$5.25; 25 lbs., \$2.75; 10 lbs., \$1.30.

**Perennial Rye Grass (Domestic).** Sow 15 to 20 lbs. to the acre. 100 lbs., \$7.50; 50 lbs., \$3.80; 25 lbs., \$2.00; 10 lbs., 90c.

**Permanent Pasture Mixture.** A mixture of grasses and clovers for pasture. Sow 20 to 25 lbs. to the acre. 100 lbs., \$14.00; 50 lbs., \$7.25; 25 lbs., \$3.75; 10 lbs., \$1.65.

**Sudan Grass** (Northern grown). Sow 20 to 25 lbs. to the acre. 100 lbs., \$4.50; 50 lbs., \$2.35; 25 lbs., \$1.25; 10 lbs., 60c.

**German or Golden Millet** (50 lbs. to the bu.). Sow 50 lbs. to the acre broadcast. 1 bu., \$2.25; ½ bu., \$1.15.

**Japanese Millet** (50 lbs. to the bu.). Sow 50 lbs. to the acre broadcast. 1 bu., \$2.75; ½ bu., \$1.40.

**Hungarian Millet** (50 lbs. to the bu.). Sow 50 lbs. to the acre broadcast. 1 bu., \$2.50; ½ bu., \$1.30.

## SHUMWAY'S SELECTED FIELD CORN

From Hand-Selected Ears,  
Tipped, Butted, Graded  
and Tested

Germination 95% or better

**Reid's Yellow Dent.** (110 days.)

**Early Murdock or Golden Glow.** (90 to 95 days) Yellow.

**Regenerated Red Hackberry.** Sometimes called Bloody Butcher. (90 days) Red.

**Pride of the North.** (85 to 90 days) Yellow.

**Iowa Silvermine.** (100 days) White.

**Iowa Goldmine.** (100 to 110 days) Yellow.

**Wisconsin No. 7.** (Silver King) (90 days) White.

**Improved Leaming.** (100 to 110 days) Yellow.

All varieties at bu., \$2.75; ½ bu., \$1.50; ¼ bu., 85c; ⅛ bu., 50c.

### FLINT VARIETIES

**Longfellow Early Yellow.**

**Extra Early Yellow Yankee.**

**Thoroughbred White.**

All varieties at bu., \$2.75; ½ bu., \$1.50; ¼ bu., 85c; ⅛ bu., 50c.

## SEEDS FOR FORAGE CROPS

**Mixed Sorghum or Sugar Cane.** Used for fodder only. Sow 50 to 75 lbs. broadcast to the acre, 6 to 8 lbs. drilled in. 100 lbs., \$2.75; 50 lbs., \$1.50; 25 lbs., 85c; 10 lbs., 40c.

**Early Amber Sugar Cane.** (Not guaranteed pure.) Sow 50 to 75 lbs. broadcast to the acre, 6 to 8 lbs., drilled in. 100 lbs., \$3.00; 50 lbs., \$1.60; 25 lbs., 90c; 10 lbs., 50c.

**Kansas Orange Sugar Cane.** (Not guaranteed pure.) Sow 50 to 75 lbs. broadcast to the acre, 6 to 8 lbs., drilled in. 100 lbs., \$3.00; 50 lbs., \$1.60; 25 lbs., 90c; 10 lbs., 50c.

**Kaffir Corn** (50 lbs. to the bu.). Sow 40 to 50 lbs. broadcast to the acre, 6 to 8 lbs., drilled in. 100 lbs., \$2.85; 50 lbs., \$1.50; 25 lbs., 85c; 10 lbs., 50c.

**Milo Maize** (50 lbs. to bu.). Sow 40 to 50 lbs. broadcast to the acre, 6 to 8 lbs., drilled in. 100 lbs., \$2.95; 50 lbs., \$1.60; 25 lbs., 90c; 10 lbs., 55c.

## Inoculate

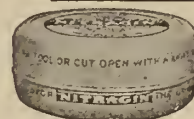
### ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Peas, Beans, Vetch, Peanuts with



THE ORIGINAL LEGUME INOCULATOR  
Guaranteed Fresh Each Year Leads in High Germ Count

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. Fresh, high count NITRAGIN, containing billions of efficient nitrogen-gathering germs, builds up the soil. All Legume Germs are PERISHABLE. To Protect You, NITRAGIN Cans are Stamped With Expiration Date. Insist on NITRAGIN.



Mixing Nitrigin  
with Seed

Legume germs die rapidly when dried. NITRAGIN, containing

between 30% — 40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitrigin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

NITRAGIN PRICES	
Alfalfa, All Clovers	Peas, Vetch, Beans, Austrian Winter Peas
Size Retail	Size Retail
½ bu.....\$ .40	½ bu.....\$ .40
¼ bu......60	¼ bu......60
1 bu.....1.00	*1 ¼ bu......90
5 bu.....4.75	¾ bu.....1.80
	5 bu.....2.50
	*Also called "100 lb. size."

When ordering, always specify kind of seed

**Soy Beans and Cow Peas**

1 bu.....\$ .40 5 bu.....\$1.50

2 bu......70 10 bu.....2.50

**Garden Nitrigin — Garden Size —**

Peas, Beans, Sweet Peas

Inoculates from 1 ounce to 8 lbs. seed. Price \$2.25

IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.

Nitrigin Has Served the American Farmer Since 1898

## MISCELLANEOUS FIELD SEEDS

**Dwarf Essex Rape.** Sow 5 to 6 lbs. broadcast to the acre. 100 lbs., \$6.75; 50 lbs., \$3.50; 25 lbs., \$1.85; 10 lbs., 75c.

**Japanese Buckwheat** (50 lbs. to bu.). Sow 1 bu. to the acre. 1 bu., \$2.25; ½ bu., \$1.15; ¼ bu., 60c.

**Hairy or Winter Vetch.** Sow 30 lbs. to the acre. 100 lbs., \$13.00; 50 lbs., \$6.75; 25 lbs., \$3.35; 10 lbs., \$1.45.

**Canada Field Peas.** Sow 90 lbs. to the acre. 100 lbs., \$6.00; 50 lbs., \$3.15; 25 lbs., \$1.65; 10 lbs., 75c.

**Sunflower.** Drill 10 to 15 lbs. to the acre. 100 lbs., \$7.00; 50 lbs., \$3.60; 25 lbs., \$1.85; 10 lbs., 90c.

**Sudan Grass** (Northern grown). Sow 20 to 25 lbs. to the acre broadcast. 100 lbs., \$4.50; 50 lbs., \$2.35; 25 lbs., \$1.25; 10 lbs., 60c.

## SHUMWAY'S SELECTED SMALL GRAINS

### OATS

**Hardy Golden Prolific.** Bu., 90c; 2 bu., \$1.75; 5 bu., \$4.00; 10 bu., \$7.75.

**Northern Winnebago.** Bu., 90c; 2 bu., \$1.75; 5 bu., \$4.00; 10 bu., \$7.75.

**Perfected White Swedish.** Bu., \$1.00; 2 bu., \$1.90; 5 bu., \$4.25; 10 bu., \$8.00.

**White Silvermine.** Bu., 90c; 2 bu., \$1.75; 5 bu., \$4.00; 10 bu., \$7.75.

**White Kherson.** Bu., \$1.00; 2 bu., \$1.90; 5 bu., \$4.25; 10 bu., \$8.00.

**Wisconsin Pedigreed Barley.** Bu., \$1.25; 2 bu., \$2.40; 5 bu., \$5.75.

**Marquis Spring Wheat.** (Wisconsin Grown seed.) 1 bu., \$1.50; 2 bu., \$2.90; 5 bu., \$6.75.

**Spring Rye.** 1 bu., \$1.40; 2 bu., \$2.75; 5 bu., \$6.50.

## SOJA OR SOY BEANS

Broadcast 1 bu. to acre. Checked in with corn 1 bu. to 8 acres

**Illini.** Matures in 105 days.

**Ito San.** Matures in 105 days.

**Manchu.** Matures in 115 days.

**Black Eyebrow.** Matures in 110 days.

**Black Ebony.** Matures in 110 days.

**Hollybrook.** Matures in 115 days.

**Medium Yellow.** Matures in 120 days.

Any variety 5 bu. \$7.50; bu., \$1.75; ½ bu., 90c; ¼ bu., 50c. Bags included.



# Shumway's Lawn Grass Seeds

## Seeding of Lawns

In preparing ground for a new lawn all that is necessary is to see that it is well spaded, making it as fine and mellow as possible. If it consists of earth from the excavation for the house, or is hard and lumpy, it should first receive a good dressing of manure, which should be spaded in and mixed with the soil, making it fine and smooth. Before sowing the seed, the surface of the soil should be freshly raked, then sow the seed as evenly as possible and rake it in, following with a roller.



### SHUMWAY'S REFINED LAWN MIXTURE

This is by far the best mixture of grasses for a fine textured lawn; it is made up of the choicest and hardiest varieties that will winter well and thrive under varying climatic conditions. It has been re-cleaned, compounded and blended as perfectly as modern machinery can do it. All of our grasses are analyzed by the laboratories and the degree of purity shows practically the elimination of chaff and foreign seeds.

If we could compound a better lawn mixture we would do so, but through tests we fail to find its superior. We welcome criticism. On purchase of this seed, if you doubt its adaptability, you may send sample to any laboratory for test, and if not as represented, you may return same and your money will be refunded. Per lb., 45c; 3 lbs., \$1.30; 5 lbs., \$2.00, postpaid. Not prepaid, 5 lbs., \$1.65; 10 lbs., \$3.25; 25 lbs., \$8.00; 100 lbs., \$30.00.

### SHUMWAY'S ROLLING GREEN MIXTURE

A compounded mixture of quick growing grasses with White Clover that will make a quick show of green over the lawn. This mixture, however, is not one that will give the very fine texture of Shumway's Refined, but it will make a very creditable lawn and stand heavy usage when established. Per lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.65, postpaid. Not prepaid, 5 lbs., \$1.35; 10 lbs., \$2.60; 25 lbs., \$6.25; 100 lbs., \$24.00.

### SHUMWAY'S FOREST CITY MIXTURE

This mixture of grasses adapted to growth in the shade is carefully and particularly compounded to make a beautiful lawn under trees. It is impractical to think that a good lawn can be made in shady places by using any regular lawn grass. It may start out well in the spring before the foliage becomes dense; however, it will die out very rapidly after the full growth of foliage is on.

Use this mixture for shade in the same proportion that you use the regular lawn grass and before the season is over you will be well repaid for the extra effort and time it has taken to give this special attention.

Prices: Parcel post charges paid, 1 lb., 60c; 2 lbs., \$1.15; 3 lbs., \$1.70; by express, charges collect, 1 lb., 50c; 3 lbs., \$1.45; 5 lbs., \$4.70; 10 lbs., \$4.50.

## WISS SHEARS

The Wiss Line of Shears for Gardening Is the Very Finest Manufactured



### WISS GRASS SHEARS

The improved offset handles are an exclusive Wiss feature, designed for still greater comfort in operation. The thumb and finger rests are enlarged; the handles offset, and at an angle, avoiding cramping of wrists and chafing of fingers.

Full length 12 1/2 in. Length of Cut 5 1/2 in. Price each, \$1.50, postage paid.



### WISS PRUNING SHEARS

Light Pruner. With volute steel spring. Full length 9 in. Price each, \$1.25, postage paid.



### THE CYCLONE SEEDER

The Cyclone Seed Sower is the most widely known and used of all broadcast seeders. For more than 40 years it has been on the market; long ago it won recognition for the best machine for the purpose.

The bag of the seed container is made of heavy canvas and has a capacity of one-half bushel.

The feed control is quickly, easily, and accurately adjusted for different kinds of seed or to regulate the amount to be sown. The flow can be started or stopped instantly with the pressure of the finger.

By Express, charges collect, \$2.00. By Mail or Express, prepaid, 2.35

The following quantities of the mixture we offer are the usual amounts sown for a new lawn: 1 lb. for 300 sq. ft.; 5 lbs. for 1500 sq. ft.; 10 lbs. for 3000 sq. ft.; 25 lbs. for one-fourth acre. If intended for renewing an old lawn use one-half the quantity.

## Kentucky Blue Grass

### Kentucky Blue Grass (Poa pratensis.)

Also called June Grass. This is known as one of the best grasses for the making of fine lawns, also desirable for pastures and meadows. Seed at the rate of 1 lb. to 300 square ft. Fancy re-cleaned seed sun dried. 1 lb., 50c; 2

lbs., 90c; 5 lbs., \$2.20, postpaid. Not prepaid, 5 lbs., \$1.80; 10 lbs., \$3.50; 25 lbs., \$8.50; 100 lbs., \$33.00.

### Red Top

(Agrostis alba.) This is one of our better native grasses. Well adapted to moist soils; a good variety for lawns as well as pastures. Seed at the rate of 1 lb. to 300 square feet. Solid seed. 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.40; 25 lbs., \$5.75; 50 lbs., \$11.25; 100 lbs., \$20.00.

### Rye Grass, English or Perennial

(Lolium perenne.) A grass with an abundance of foliage. Fine for pastures, thrives well on most any soil. Especially adapted for winter lawns in the South, also a good grass for lawns in the North where a quick show of green is desired. 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.25, postpaid. Not prepaid, 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.50; 100 lbs., \$13.00.

### Chewing's Fescue

(New Zealand grown.) This is a perennial grass with creeping roots that makes an exceptionally fine turf. This grass is in great demand for Putting Greens, however it should be sown alone. Thrives well in sandy soils and in shade. Sow either in the spring or fall. 5 lbs. to 1,000 square feet. 1 lb., 60c; 2 lbs., \$1.15; 5 lbs., \$2.70, postpaid. Not prepaid, 5 lbs., \$2.35; 10 lbs., \$4.50; 25 lbs., \$10.75; 100 lbs., \$40.00.

### Rough Stalked Meadow Grass

(Poa Trivialis.) An ideal shade grass in the Northern half of the United States, providing there is sufficient moisture. Perennial in nature, closely related to Kentucky Blue Grass, but somewhat finer and softer. Sow in spring or fall at the rate of 1 lb. to 300 square feet. 1 lb., 60c; 2 lbs., \$1.15; 5 lbs., \$2.70, postpaid. Not prepaid, 5 lbs., \$2.35; 10 lbs., \$4.60; 25 lbs., \$11.00; 100 lbs., \$40.00.

### Wood Meadow Grass

(Poa nemoralis.) Also used in the Northern half of the United States as a shade grass, however it prefers a rather dry soil and should not be used in wet places. Sow in the spring or fall at the rate of 1 lb. to 300 square feet. 1 lb., 70c; 2 lbs., \$1.35; 5 lbs., \$3.35, postpaid. Not prepaid, 5 lbs., \$3.10; 10 lbs., \$6.00; 25 lbs., \$14.00; 100 lbs., \$56.00.

### Creeping Bent or European Mixed Bent

A mixture of Creeping Bent, Velvet Bent and Rhode Island Bent. This is used extensively for Putting Greens and Golf Courses. Bent grasses prefer an acid soil, therefore if fed with acid reacting fertilizers such as Ammonium Sulphate, about every three weeks, it tends toward the discouragement of weeds. For lawns it is better to use the seed than the Creeping Bent Stolons, because the lawn will not grow so rapidly and the average home owner can keep up with the mowing. Seed at the rate of 3 to 4 lbs. per 1,000 square feet. 1 lb., \$1.35; 2 lbs., \$2.60; 5 lbs., \$6.25; 10 lbs., \$11.75, postpaid.

### WHITE DUTCH CLOVER

The clover in general use for lawns. Being of a creeping habit it prevents the soil from being washed away by rains. Also used in permanent pastures. Price, per lb., postage paid, 65c; by freight or express, charges collect, 1 lb., 55c; 5 lbs., \$2.60; 10 lbs., \$5.00; 25 lbs., \$12.25.



# Shumway's Flower Seeds

## Shumway's Asters

We are offering several varieties of Asters in different colors. Any description given will be of the type of Aster rather than to treat them as a whole.



**Early Beauty.** While this is earlier than Late Beauty type, we do not wish to give the impression that it is an early Aster. This comes into bloom a little later than the Queen of the Market strain. This strain of Asters grows 2 to 3 feet high with long stout stems 15 to 20 inches in length, making them one of the most desirable for cut flowers.

Crimson—Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c.

Purple—Pkt., 10c; 1/4 oz., 50c.

Rose—Pkt., 10c; 1/4 oz., 50c.

White—Pkt., 10c; 1/4 oz., 50c.

Mixed—Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c; 1/2 oz., \$1.10; oz., \$2.00.



**California Giants.** The very newest thing in Asters. The most gorgeous of all. This type was developed by crossing the Crego strain with the Beauty type, resulting in a plant of vigorous growth and the Ostrich Feather type of blossom. The flowers measure 5 to 6 inches in diameter on long, sturdy stems, which make them attractive when arranged in floral work. This strain stands up well when shipped long distances.

White—Most beautiful white aster. Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c.

Light Blue—Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c.

Peach Blossom—Light pink. Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c.

Rose—Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c.

Dark Purple—Pkt., 15c; 1/4 oz., 90c.

Mixed—Pkt., 15c; 1/4 oz., 90c; 1/2 oz., \$1.65; oz., \$3.00.

### HEART OF FRANCE

This variety opens a ruby-red, and grows darker as it ages, retaining this beautiful color to the end. The petals seem to appear to continually change showing a glow and then a sheen, finally a soft warm velvety texture. Heart of France without doubt is the outstanding red Aster today. Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c.

### PEERLESS YELLOW

Considerable work has been done to perfect a Yellow Aster. This has now been accomplished and we now have the very best one in this color. It is of the American Branching habit, height about 2 feet, flowers of good size and form. The petals are slightly incurved, but no trace of quills, as in the earlier forms of the Yellow Aster. The color is a deep yellow when first opened and fades slightly as it ages. Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c.

### ASTER PERENNIAL OR MICHAELMAS DAISY

This hardy perennial fills an important place in the hardy border. Height 30 in. It blooms late in the season with showers and masses of dainty and brightly colored blossoms from the last of September until killed by freezing. Pkt., 10c.



**Queen of the Markets.** This is a well known early flowering Aster of a branching type, growing about 18 inches high. An excellent cut flower strain.

Crimson—Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c; oz., \$1.10.

Flesh Pink—Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c; oz., \$1.10.

Lavender—Pkt., 10c; 1/4 oz., 35c.

Rose—Pkt., 10c; 1/4 oz., 35c.

Purple—Pkt., 10c; 1/4 oz., 35c.

White—Pkt., 10c; 1/4 oz., 35c.

Mixed—Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c; oz., \$1.10.



Aster Perennial or Michaelmas Daisy



### SUNSHINE. Improved Anemone-Flowered.

The Sunshine type of Aster has been greatly improved since its first introduction. It now has long strong stems which adapt it wonderfully well for cut flowers. Some of the blooms have twisted petals, some are quilled but all have a cushion center of a contrasting color. We recommend this variety to all lovers of Asters as it is without doubt one of the most graceful and beautiful. All colors mixed. Pkt., 10c; 1/8 oz., 40c.

### NOTICE

Do not plant Asters where you had them last year. They should be in a new spot in your garden. If they are repeated in the same soil year after year the soil becomes diseased and your Asters will have what is known as The Aster Yellows. This is a very important fact which should be observed.

## Aster: American Mixture

This is a wonderful mixture of all types of Asters. One that will please in every respect. All colors and shades. The picture shows a field of the stock from which the seed was taken. Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 85c.





## Poppies



**American Legion.** (20 in.) One of the most beautiful satiny annual Poppies in existence. The color is a dazzling orange-scarlet of giant size carried on large vigorous stems. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**Shirley Poppy.** (20 in.) The flowers are single, very beautiful and satiny in various colors, the centers of which are white. The foliage is finely cut and hairy in appearance. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**Double Poppy.** (30 in.) This beautiful annual gives the effect of being a large feathery ball. They are very beautiful and showy and add materially to the landscape. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**Perennial or Oriental Poppy.** (30 in.) A perennial, and the seeds can be sown at any time of the year. It has very pretty foliage and the flowers are a blaze of beauty and brightness, and it is a rare sight to behold in any garden. All varieties mixed. Pkt., 10c.

**Iceland Poppy.** (Nudicaule.) A perennial Poppy of neat habit, forming a tuft of fern-like foliage, blossoming the entire season in a profusion of blooms carried on leafless stems about 1 ft. high; beautiful cup shaped flowers in orange, salmon, yellow and white. Mixed pkt., 15c.

**California Poppy.** (Escholtzia.) See page 56.



**Double Balsam (Lady Slipper).** (1½ ft.) This old garden favorite produces a mass of beautiful brilliant colored double flowers around a very stiff stalk. They prefer rich soil, plenty of water, and a sunny position. Plants should stand at least 12 inches apart. All colors mixed. Pkt., 5c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

## Hardy Garden Pinks



**Double Japan.** A variety that will blossom freely the first season and being very hardy will establish itself and blossom on for many years. Excellent as a cut flower. Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**Double Diadem.** (12 in.) These are also hardy and have very brilliant coloring. Double flowers that are mottled, fringed, striped, and spotted. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**Double China Pink (Dianthus Chinensis).** (12 in.) A class of beautiful hardy pinks. They blossom well the first year, and for many years thereafter. They are favorites for bouquet making, and the plants are perfectly hardy in all climates. Are popular in gardens. Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 45c; oz., 85c.

**Plumaris.** (10 in.) This is the old-fashioned hardy clove-scented Garden Pink. It is very desirable for the perennial borders foreground and particularly adapted to the rock-gardens. Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c.

## Geum



For every dollar's worth of flower seeds ordered you may select any ten-cent packet of flower seeds without charge.

Geums belong to the Rose family. The varieties we are offering are showy, free flowering, producing quantities of attractive flowers which are very desirable for cutting. The plants are of a tufted habit with pinnate leaves. This hardy perennial is desirable for border culture. The blooms after cutting are inclined to wilt unless the stems are immersed for a while in warm water.

**Lady Stratheden.** (Golden Ball.) (2 ft.) The flowers are double; a delicate shade of golden yellow. Pkt., 15c.

**Mrs. Bradshaw.** (2 ft.) The flowers of this variety are very large, double, orange-scarlet in color. Pkt., 15c.

## Cosmos



**Double Early Flowering.** This new variety grows about three feet tall, forming a bush with massed blooms. The flowers are of good size and borne on long stems. Seventy days is required from the time of planting the seed to bring them to bloom. All colors mixed. Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 75c.

**Single Early Flowering.** (4 ft.) This is a popular plant and a very strong grower, and a profuse bloomer. Both foliage and the flowers are beautiful for bouquets and vases. The seed grows readily anywhere. All best mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.



**Portulaca. (Rose Moss.)** (6 in.) A low growing plant that will thrive and bloom profusely in a hot, dry location. Adapted for rock work edging, etc. Seed should be mixed with a little sand when sown so as to have an even distribution. Sow in May when the ground is warm. Double and single mixed. Pkt., 10c;  $\frac{1}{8}$  oz., 30c;  $\frac{1}{4}$  oz., 50c;  $\frac{1}{2}$  oz., 90c; oz., \$1.75.



**Sweet Alyssum. (Little Gem.)** (4 in.) Pretty, white annual plants, nice for beds, edgings or rock-work. Very sweet scented, beautiful for mixing in bouquets when white flowers are required. Florists use large quantities of it. Pkt., 5c;  $\frac{1}{2}$  oz., 25c; oz., 40c.



## Calendulas



**Cape Marigold.** (18 in.) This is one of the best and showiest free flowering hardy annuals known, growing in any good garden soil making a very beautiful effect all summer long continuing in bloom until killed by frost. Pkt., 5c;  $\frac{1}{2}$  oz., 25c; oz., 40c.

**The Ball.** (Florist's Strain.) Orange in color with a little lighter center, particularly adapted for forcing. Pkt., 15c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 60c; oz., \$1.00.

**Ball's Gold.** Dark golden yellow. Used for the same purpose as the above. Pkt., 15c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 60c; oz., \$1.00.

**Campfire.** (Florist's Strain.) A striking novelty introduced last year. The blooms are flat and larger than any of the others. The tips of the petals are finely cut. The brightest orange color of any of the Calendulas. Pkt., 15c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 45c;  $\frac{1}{2}$  oz., 80c; oz., \$1.50.



**Didiscus or Blue Lace Flower.** Long stemmed lavender blue flowers. This interesting annual plant blooms freely from July until November. The plants grow about 18 inches high and have as many as fifty flowers open at a time. Pkt., 10c.



**Candytuft (Iberis).** (12 in.) Annual plant of compact, upright habit, and beautiful blossoms; unsurpassed for bedding and bouquets. Seed can be planted early in any soil. Mixed, pkt., 7c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.



**Aquilegia. Long Spurred (Columbine).** These are one of the most beautiful hardy perennials that we have, producing beautiful flowers on 2 foot stems. They are easy to establish and thrive in almost any situation. However, they do better if sheltered a little from the full sun. Mrs. Scott Elliott's Strain. Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 75c; oz., \$1.40.



**Double Carnation.** A magnificent class of beautiful and popular favorites. Most all of them are deliciously sweet with fragrance. Their colors are extremely rich and beautiful. Perfectly hardy, and nice for many years. Cannot be excelled for the house. All varieties, mixed, pkt., 10c.

**Marguerite Carnation.** Blossoms first year, with all shades of beautiful colors. It blooms all summer and fall, and can be taken up for the house, to bloom all winter. All colors, 10c.



**Perennial Pea.** A very interesting pea-like flower which blooms continually from spring until fall. Very beautiful in bouquets. This variety is very hardy, will last for years. Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 75c.



**Canterbury Bell (Campanula Medium).** One of the interesting hardy flowers classed as a biennial. Plants grow 18 to 24 inches high, bearing beautiful cup shaped flowers, in blue, white, and pink. Particularly beautiful when planted in the hardy borders. All colors mixed. Pkt., 10c.

**Cup and Saucer (Campanula or Calycanthema).** This is a very interesting specie of the Canterbury Bell. The calyx forming a saucer around the base of the bell or cup. Pkt., 15c.

## Celosias



**Chinese Woolflower (Childsii).** (2 to 3 ft.) An annual. The plants grow two to three feet high, the bloom starting early with a central globular head which often reaches size of two feet in circumference. Scores of branches are thrown out, each having a ball of scarlet wool. Blooms do not fade until frost. They can be cut and dried and used for winter bouquets. Pkt., 10c;  $\frac{1}{8}$  oz., 45c;  $\frac{1}{4}$  oz., 80c.

**Ostrich Feather.** (2½ ft.) This forms a large, beautiful plant of pyramidal form, and bears numerous massive plumes resembling Ostrich Feathers waving most gracefully above the foliage which makes it effective and beautiful in the garden. Pkt., 8c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 30c;  $\frac{1}{2}$  oz., 50c.

**Cristata or Cockscomb.** (8 to 10 in.) A very pretty interesting annual producing large comb-like heads. Very showy in the late summer and fall. Pkt., 5c;  $\frac{1}{8}$  oz., 15c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 35c; oz., 60c.

### ALL VARIETIES MIXED

This is an especially compounded mixture of all varieties of Cockscomb which we feel some people might desire in a massed effect. Pkt., 7c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 50c; oz., 75c.



## Shumway's Petunias



There is no annual flower that can surpass the Petunia in continuous blooming and show of color in the garden. Dotted here and there through the perennial borders and along the garden paths they keep up a show of color until frozen off. Petunias are particularly adapted to window boxes and by mid-summer, so planted, they are a charming sight to behold. Remember Petunias will stand full sun far better than any of our annual flowers.

### SINGLE SMALL FLOWERING VARIETIES

This Type Is Adapted to Window Boxes and Bedding

Shumway's Superfine Mixture Petunia of single flowering varieties. Pkt., 10c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 60c; oz., \$1.00.

- Carmen Sylva. Baby blue with white throat. Pkt., 10c.
- General Dodds. Blood-red. Pkt., 10c.
- Howard's Star. Imp. Crimson-maroon with a star of blushing white. Pkt., 15c.
- Rose of Heaven. Rich brilliant rose, inconspicuous white throat. Pkt., 15c.
- Silver Blue. Light blue. Pkt., 15c.
- Violacea. Deep violet. Pkt., 15c.
- Senator. Purple with white throat. Pkt., 15c.

### SINGLE GIANT FLOWERING VARIETIES

(See inside back cover)

Giants of California. The color range of this type carries every conceivable shade of crimson, violet, lavender, pink, and white. Pkt., containing about 300 seeds, 20c.

Ruffled Monsters. The flowers carry the same color range as above, but are heavily ruffled. Pkt., containing about 300 seeds, 35c.

Dwarf Giants, Ramona Strain. The newest introduction of Petunias, particularly adapted to pot-culture. The blooms are enormous. It doesn't seem possible that there could be such large flowers on so small a plant. Pkt., 50c.

### PETUNIA, CARNATION FLOWERED

(See inside back cover for colored illustration)

This, without doubt, is the richest thing in Petunias, the flowers resembling Carnations. Highly recommended for pot culture as well as a variety to be transplanted into the open ground after warm weather is established. The plants are literally covered with blossoms; up to the present time it has only been developed into the rose shades. Pkt., 25c.

### LARGE SINGLE FLOWERING VARIETIES

The Blooms of This Type Average 3 to 4 Inches Across

- Pink Glory. Slightly ruffled flowers of a pure flame-rose pink. Pkt., 35c.
- Romany Lass. Bright velvety blood-red with purple throat, striped in black. Pkt., 40c.
- Theodosia. Clear bright pink, heavily ruffled edge with yellow throat. Pkt., 35c.

### PORTLAND PETUNIAS

- Pride of Portland. Deep rose, fringed. Pkt., 20c.
- Scarlet Beauty. Scarlet fringed. Pkt., 20c.
- Elk's Pride. Plain, deep purple, edged black-purple. Pkt., 20c.

### BALCONY VARIETIES

- Balcony Rose. Pkt., 15c.
- Balcony Deep Blue. Pkt., 15c.
- Balcony Deep Red. Pkt., 15c.
- Balcony White. Pkt., 15c.

### MIXED DOUBLE PETUNIA

A particularly choice mixture of large flowering fringed double Petunias. No one can expect from seed to secure all double flowers, as this has never been known. However, thirty to thirty-five per cent will show double and the balance exceptionally large fringed flowers of very beautiful markings and veining. Very choicest mixture. Pkt., 20c.



Helichrysum (Monstrosum). Are lovely everlasting flowers, and very ornamental in the garden, they are much admired for the beauty of their flowers when dried. Gather them when first open. They retain color for years. Mixed, packet, 10c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 30c;  $\frac{1}{2}$  oz., 50c; oz., 85c.



Scabiosa or Mourning Bride (2½ ft.). Commonly known as the Pin Cushion Plant. The stems are long and the blooms keep well after picking. If kept picked this annual will last through the whole summer. The delicate colorings predominate. Pkt., 7c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.



Cardinal Climber. A very attractive strong and rapid grower, attaining a height of 25 feet with beautiful fern-like foliage, literally covered with a blaze of fiery cardinal flowers from mid-summer to frost. The flowers are about an inch in diameter and borne in clusters, 5 to 7 blooms. Should be planted in a warm sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about the tenth of May. Pkt., 10c.

## Snapdragon—Antirrhinum



(See inside back cover)

There are few flowers that can compare with the Snapdragons for gorgeous coloring. Blossoms are produced on long spikes, large flowers and very fragrant; this makes them one of our finest cut flowers. Snapdragons are easily produced from seed in any well fertilized sunny bed. To keep the plants blooming either keep the flowers picked or keep the seed pods pinched off.

Snapdragons are exceptionally beautiful when combined in plantings, or in bouquets, with Penstemon Sensation.

### MAXIMUM OR GIANT FLOWERING

Height 32 Inches. This Strain Is the Largest of the Snapdragons, Each Bloom Measuring 2 to 3 Inches Across

- Apple Blossom. Rosy-pink, yellow lip.
- Cattleya. Rosy-lilac.
- Copper King. Velvety copper-scarlet.
- Golden Queen. Deep yellow.
- Indian Summer. Velvety copper. (See inside back cover.)
- Old Gold. Deep golden yellow.
- Purple King. Deep glowing purple.
- Ruby. Velvety, ruby-red.
- Snowflake. Pure white, yellow tube.
- The Rose. Rose-pink. (See inside back cover.)
- Wallflower. Brownish orange, copper-red.
- Pkt., each of any of the above, 15c.
- Maximum Snapdragon, Mixed. A well balanced fine mixture. Pkt., 15c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 75c; 1 oz., \$1.35.
- Maximum Snapdragon. Collection of 12 packets of above, \$1.50; one of each, regular price, \$1.80.

### MEDIUM, LARGE FLOWERING

Height 18 to 20 Inches

- Climax. Orange, shaded to yellow in lip.
- Fawn. Terra cotta pink, suffused yellow.
- Firebrand. Bright scarlet.
- Gloria. Rich deep rose-pink.
- Golden Queen. Clear yellow.
- Grenadier. Orange-scarlet, white throat.
- Mauve Queen. Lilacy-mauve.
- Nelrose. Deep rose-pink.
- Purity. Pure white.
- Silver Pink. Pearly pink.
- Pkt., each of any of the above, 10c.
- Medium Snapdragon, Mixed. A well balanced fine mixture. Pkt., 10c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 65c; 1 oz., \$1.20.
- Medium Snapdragon. Collection of 11 packets of above, 85c; one of each, regular price, \$1.10.

### SPECIAL FLORIST'S STRAINS FOR FORCING

- Jennie Schneider. Beautiful salmon-pink. Pkt., 25c; Trade pkt., 75c.
- Philadelphia Pink. Pure pink. Pkt., 20c; Trade pkt., 60c.
- Ceylon Court. Canary yellow. Pkt., 25c; Trade pkt., 75c.
- Apple Blossom. Rosy-pink, yellow lip. Pkt., 25c; Trade pkt., 75c.



## Delphinium (Perennial Larkspur)

(See inside back cover)



There are many strains of Delphinium in cultivation, the most important of which are the hybrids, which have a wonderful range of colors and are valuable for their great height, growing about 5 to 6 feet tall. They thrive in almost any situation or soil being perfectly hardy, however a good deep rich soil will repay the garden lover as it will result in sturdier plants and better flowers. It is well to take off the blooms before the seed pods form, by doing so there will be another series of blooms following.

**Shumway's Gold Medal Hybrids.** This is a strain grown for us being saved from selected plants. The color range is from pale lavender to indigo, many varieties coming double. Pkt., 10c.

**Wrexham or Hollyhock Flowered.** A decided improvement on this wonderful perennial. The individual flowers are 1½ to 2 inches in diameter in blue, pale lavender and lavender-pink combinations. The sturdy growth and general appearance reminds one of a Hollyhock. Pkt., 25c.

**Blackmore and Langdon Strain.** This strain contains all the clear opalescent hues. The individual flowers are 1½ to 2 inches in diameter and also carries the bees of contrasting colors. Pkt., 25c.



**Salvia Splendens.** (2 ft.) The standard bedding plant that produces a blaze of bright red blooms from mid-summer until killed by heavy frosts. Very beautiful as a hedge or border plant and particularly desirable in beds. Pkt., 10c; ⅛ oz., 30c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75.



**Hunnemannia.** (Bush Escholtzia, or Santa Barbara Poppy.) (1½ ft.) The plants grow in the form of a shrubby bush producing their large cupped shaped flowers 3 inches in diameter, golden-yellow in color on stems 12 inches long. The petals are broad and crinkled. Desirable as a cut flower. Particularly beautiful when planted with Nigella or Love-in-a-Mist. Pkt., 10c.



**Imperial Sweet Sultan.** (2½ ft.) This beautiful annual flower deserves to be in every garden. Produces large double pretty flowers in great profusion, growing on long stems, and is splendid for bouquets. It is sweet scented and admirable for garden. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.



**Summer Cypress or Burning Bush.** (Kochia Trycophilla.) This hardy annual grows 30 in. tall. It is highly ornamental, and forms a pyramidal growth of Cypress-like appearance. In autumn the foliage becomes densely carmine-red, and is often called "Mexican Fire Plant." Pkt., 5c; ¼ oz., 20c; ½ oz., 35c.

## Lupins



**Perennial Lupin.** One of our most beautiful hardy border plants having soft green foliage from which rise continuous spikes of bloom from June to September. The Perennial Lupin plants should not be disturbed after they are established. We are offering this beautiful perennial in the following colors.

**Blue**—Height, 3 ft. Pkt., 10c.

**White**—Height, 2 to 3 ft. Pkt., 10c.

**Roseus**—Height, 4 ft. Light and dark rose flowers carried on long stems. Pkt., 15c.

**Luteus.** Height, 3 ft. (New.) A strain of yellow shades. Pkt., 15c.

**Perennial Mixed Lupins.** This is a particularly fine blending of all of the colors. A fine value. Pkt., 15c.

**Annual Lupins.** Free flowering annual, growing about 2 feet tall, producing spikes of various colored pea-shaped flowers. Delightful for cutting. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



**Statice (Sinuata).** (3 ft.) Curious looking, fine plants, bearing flowers in panicles. Valuable to dry, as they retain color, and are admired for bouquets of everlastings, and cut flowers in summer. Mixed colors, 10c.



**Gilia Capitata.** A graceful Annual, which grows about 2 feet tall. A fine feathery foliage. Blooms freely over a long season, blossoms about 1 inch across, lavender-blue in color. The flowers last over a long period of time after being cut, retaining their color when dry. Pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; ½ oz., 50c.



**Godetia.** An attractive hardy annual which deserves extensive cultivation. The plants are about 1½ feet tall blooming very profusely and bearing flowers of a satiny texture, in many rich and varied colors, particularly in the shades of red and pink. They do their best in a rather poor soil. Pkt., 10c.



**Ageratum.** One of the best summer blooming plants that can be grown from seed. They grow rapidly and when once they start to bloom they continue through until killed by frost.

**Blue Perfection.** (9 in.) Pkt., 10c; ⅛ oz., 20c.

**Mexicanum.** (18 in.) Pkt., 10c; ⅛ oz., 20c.



**Arctotis (African Daisy).** (2 to 3 ft.) A beautiful blue annual from the Southwestern part of Africa, growing in bush form two to three feet high. The flowers are large and the color pure white on the upper part of the petals, the reverse side being a pale lilac blue. It is one of the most desirable flowers we have for cutting. Grown very easily from seed, germinating in about five days. Plants start blooming in July and continue until killed by frost. Plant in a sunny location. Pkt., 10c.



## Pansies



### SWISS GIANT—(Roggli Strain)

**Swiss Giant Mixture.** A superb new strain producing flowers of gigantic size, great substance, perfectly round and in the most novel color combinations never before found in Pansy flowers. The plants are very robust in growth. If you are looking for the unusual in Pansies you should not fail to try this strain. Pkt., 25c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.25;  $\frac{1}{2}$  oz., \$6.25; oz., \$11.50.



### SHUMWAY'S SUPER BLEND

As the name implies, this is the utmost in a mixture of Pansies. All types we are listing, as well as the wonderful frilled Masterpiece and Orchid Flowering which are so beautiful, are compounded into this super blend. This array meets the approval of the most critical buyers. Pkt., 25c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.25;  $\frac{1}{2}$  oz., \$6.25.

**Mammoth Exhibition Mixture.** A blend made up of the largest flowering pansies obtainable. The flowers are round, solid and of gigantic size, including the shades of red, rose, carmine, ruby, in fact all colors known to the Pansy family. Pkt., 20c;  $\frac{1}{8}$  oz., 40c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.40; 1 oz., \$2.50.

### GIANT TRIMARDEAU PANSY

This mixture has a complete color range, but the blossoms are not quite as large as the ones in the other mixtures we offer, nevertheless this is very choice and is particularly adapted to those who do not want the extremely large Pansy. Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 45c;  $\frac{1}{2}$  oz., 80c; oz., \$1.50;  $\frac{1}{4}$  lb., \$4.50.

#### NOTICE

For every dollar's worth of flower seeds ordered you may select any ten-cent packet of flower seed without charge.



**Double Marigold (Tagetes).** Very finest class of hardy annuals. Always desirable, because all the flowers are very double, large, and exceedingly beautiful. It gives the greatest satisfaction in any kind of soil. Great improvement over the old sort. All varieties, mixed. Pkt., 7c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**Dwarf French Marigold.** (Double and Single Mixed.) This strain of Marigold is very desirable for edging or to be used in solid beds. Also a desirable acquisition where yellow and wine shades are desired in window boxes, as plants are literally covered with small bright flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 35c; oz., 60c.



**Bachelor Buttons, or Cornflower (Centaurea Cyanus).** (2 ft.) A hardy annual that will reseed itself, which makes it very nice for naturalizing. Thrives in any soil and endures drought. Foliage not interesting, but flowers are very charming. All colors. Pkt., 5c;  $\frac{1}{2}$  oz., 25c; oz., 45c.

**Double Blue Bachelor Button or Blue Cornflower.** This is a selection of a true blue made out of the regular Bachelor Button. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.



**Gaillardia (Annual).** This annual which grows about 1½ ft. tall is one of the most profuse bloomers of the flower garden. The colors of this beautiful annual may be likened to the sunset colors as they are in all of the shades of red, yellow, pink and orange. The foliage is gray-green and quite abundant, making them desirable for cut flowers. A very desirable flower to be grown in solid beds or in the foreground of a hardy border where they will live the colors after perennials have passed their blooming stage. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; 1 oz., 75c.



#### GARDEN TROWEL, 20c

Handy tool in garden, or greenhouse.

## Zinnias



(See Inside Back Cover)

**Dahlia Flowered Zinnia.** (3 to 4 ft.) This new specie is very sturdy and produces many flowers with strong stems. The broad petals are closely imbricated, sometimes seeming to be piled upon each other. The flowers measure 4 inches deep and 6 to 8 inches in diameter. The general appearance compares with the Show Dahlias. Colors are very unusual, all shades but odd hues. Mixed. Pkt., 10c;  $\frac{1}{8}$  oz., 30c;  $\frac{1}{4}$  oz., 50c;  $\frac{1}{2}$  oz., 90c; oz., \$1.75.

**Crimson Monarch.** By far the largest and best of the red strain, flowers often 8 inches in diameter. Pkt., 15c.

**Exquisite (Tyrian Rose).** One of the most pleasing of the collection, very large light rose in color with center a deep rose. Pkt., 15c.

**Oriole.** It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Pkt., 15c.

**Dream (Mallow Purple).** A fine, deep lavender, turning to purple. A desirable shade in Zinnias. Pkt., 15c.

**Youth.** A 1930 introduction. A very vigorous robust plant. Color is a beautiful uniform soft rose. This is three to four shades lighter than Exquisite. Pkt., 15c.

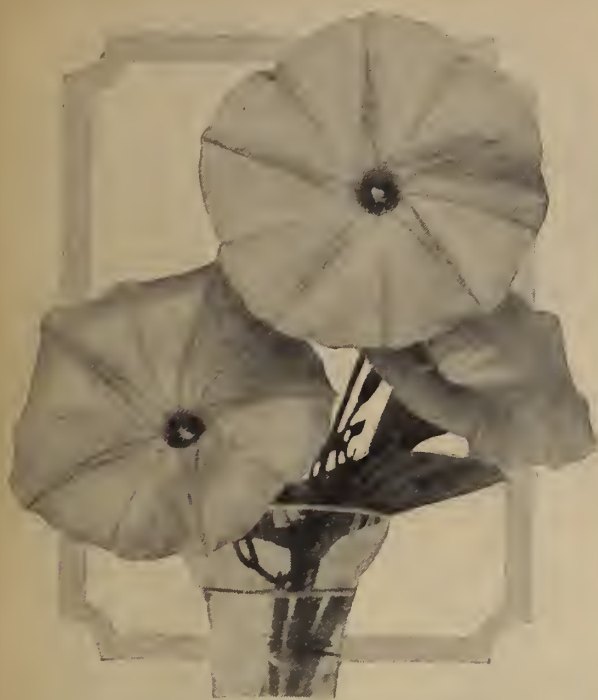
Collection of 6 packets of Dahlia Flowered Zinnia. 1 pkt. each of 5 named varieties and one of mixed 75c.



**Giants of California or Colossal Zinnia.** (3 to 4 ft.) One of the most brilliant and the most showy annuals grown. It is a universal favorite, and flowers are as double and as brilliant as Dahlias. A beautiful free-flowering plant all summer and fall. Can be trimmed to any desired shape and blossoms continuously. Choice mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**Zinnia Elegans.** (2½ ft.) This strain of Zinnia is more bushy than the Giant or Dahlia Flowered, flowering more freely. With this feature in mind one can readily see that they can be planted to an advantage in solid beds or used in edging. The blossoms are about the size of a half dollar, the colorings are very beautiful. The ideal Zinnia to be used in cutting for bouquets. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.





**Moon Flower.** (*Grandiflora*.) (15 to 20 ft.) A climber of very rapid growth blooming at night and dull days. The vines are literally covered with large pure white fragrant flowers 5 to 6 inches across. Seed should be soaked in warm water for 24 hours before planting. The seed, the size of a pea, should be notched with a file before soaking. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c.



**Perennial Phlox.** One of our most beautiful perennial plants for borders. Very hardy and roots may be divided after the second or third year. All colors mixed. Pkt., 15c.



**Verbena.** (18 in.) It is one of the most popular garden annuals, easy of culture and will blossom the entire summer. Particularly fine for borders and beds. All colors mixed. Pkt., 10c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 30c;  $\frac{1}{2}$  oz., 50c; oz., 90c.



**Hibiscus.** (Also called Marshmallow or Rosemallow.) The flowers are of enormous size, often 10 to 12 inches in diameter. The colors are in a rich dark red, mallow-pink and pure white; the plants grow from 5 to 8 feet high carrying a great many blooms, blooming from early July until late in the autumn. This is a perennial and is perfectly hardy. All colors mixed. Pkt., 10c.



**Tritoma** (Red Hot Poker). (30 in.) Showy border plants throwing a bloom very compact in form on stout stems. Blossoms are a brilliant orange-red. Blooms in August and September. If left in a protected spot in the garden, they will live over; however, it is well to dig the roots and store in sand for the winter. Pkt., 10c.

**Tritoma Roots**  
20c each; 6 for \$1.00.



**Job's Tears.** (*Coix Lachryma*.) (2 to 4 ft.) It has large, smooth, glossy seeds, hanging pendulous. Is fine mixed with everlastings. Pkt., 5c; oz., 20c.



**Double Dwarf Sunflower.** (*Helianthus*.) (3 to 4 ft.) Ornamental on account of their steady growth, and very fine, attractive appearance. Dwarf sorts do not grow high. Hundreds of flowers on each stalk, and continues in bloom a long time. Very beautiful. All double varieties mixed. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 30c.



**Solanum.** (18 in.) A beautiful miniature evergreen tree, which bears perpetually great numbers of ripe and green fruit (not edible), and it blossoms freely the whole year. Their scarlet fruit makes them very desirable for both house and to set on the lawns in the summer. Pkt., 10c.

A 10c packet of flower seeds free, your selection, with each dollar's worth of flower seeds ordered.



**Pyrethrum Roseum** (Painted Daisy). (1 to 2 ft.) One of the most valuable of our early summer flowering perennials, beautiful in all shades of rose and pink, flowers blooming in May and June and again frequently in August and September. Pkt., 10c.



**Honesty.** (*Lunaria*.) This bears racemes of beautiful purple flowers. The silvery seed pouches are pretty, curious ornaments for winter bouquets. Pkt., 10c.



**Euphorbia.** (2 ft.) The foliage is beautifully variegated with silvery white and green, which makes it very showy in the garden or mixed in cutflower bouquets. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 35c.



## Stocks



**Coreopsis.** (2 ft.) This is one of the most popular hardy plants. The golden-yellow blossoms are carried on graceful stems. The blooming season which is from June to October makes this exceptionally valuable to lend color to a perennial border. Pkt., 10c.



**Ten Weeks.** (1 ft.) One of the most beautiful and fragrant of all the annual flowers. The flowers are arranged on long stiff stalks like small rosettes. The colors are of the soft hues, making them very attractive in bouquets. All colors mixed. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

**DOUBLE EARLY GIANT IMPERIAL OR IMPROVED BISMARCK**

This is an especially meritorious strain of Stocks. They grow from 24 to 30 inches tall and are of branching habit. Very early blooming and produce a high percentage of doubles. We cannot say too much for this strain for those who want the better things in their garden. This is the finest strain for florists for greenhouse growing. All colors mixed. Pkt., 15c; 1/8 oz., 35c; 1/4 oz., 60c; 1/2 oz., \$1.15; oz., \$2.00.

Blush (Apple Blossom). Pkt., 15c.  
Canary Yellow (Golden Ball). Pkt., 15c.  
Fiery Blood Red. Pkt., 15c.  
Mauve Lavender. Pkt., 15c.  
White. Pkt., 15c.

Collection of 6 packets, 1 of each of the separate colors and a packet of mixed for 75c, postage paid.



**Double Hollyhock.** A perennial that is desirable for a background or to shut off some unpleasant view. Stately spikes carrying many blooms add to the garden beyond description. Single Mixed: Pkt., 5c; 1/2 oz., 25c; oz., 40c.

Double Mixed: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.



**Foxglove (Digitalis).** One of the stately garden favorites which are very beautiful in shrubby borders, growing 3 to 4 feet high. One of our most beautiful perennials. Pkt., 10c.



**Globe Amaranth, or Gomphrena.** Beautiful and useful, everlasting. Some call it English Clover. Gather the heads before fully expanded to dry for winter bouquets. They expand in drying, and preserve an intensely bright color, which is preserved for years. All colors, mixed. Pkt., 10c.



**Heliotrope.** (18 in.) Profuse flowering plants; deliciously fragrant. Is splendid for bedding; ribbon-borders; vases, or house culture. Seeds sown in spring will be fine for summer and fall decorations. Choice mixed, pkt., 10c.



**Acroclinium.** (20 in.) A beautiful everlasting flower bearing blooms, daisylike in shape. Bright rose and delicate pink in color. Cut when in bud, and as they dry out will expand to full size. Pkt., 10c.



**Chrysanthemum.** This single flowering annual strain is very showy and effective in gardens. They are extensively grown for cut flowers. Plants are about 2 feet tall, bearing blooms, daisy-like in formation, on exceptionally good stems. They are entirely distinct from the hardy perennials which are the autumn flowering varieties. This strain bears profusely all summer long. Pkt., 7c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.



**Yellow African Daisy, or Dimorphotheca.** This beautiful annual grows 1 ft. in height. The marguerite-like blossoms are in all shades of yellow to the deepest orange. All blossoms are made more pronounced by their dark centers. This is a beautiful addition to the garden to those who are admirers of the Daisy family. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c.



**Coleus.** (2 ft.) Popular plants in the flower garden. They have become one of our most popular of all the border and bedding plants. Easily grown anywhere. Finest varieties, mixed, 15c.



**Calliopsis (Tickseed).** (20 in.) An annual, very desirable, graceful border plant, blooming abundantly all summer. The flowers are in all shades of yellow and brownish red, greatly prized for bouquets. Thrives in any soil. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.



# Seeds of Alpine Plants for Rock Gardens

**Aster-Alpinus.** Three to ten inches high. Showy bluish-purple flowers with yellow center. Blooms in May and June. Pkt., 25c.

**Anemone-Alpina** (Windflower). Hardy and particularly adapted to Rockeries. Cup-shaped flowers in white, blue and reddish-purple. Pkt., 20c.

**Alyssum Creticum.** Dwarf, dense grower. Blooms in the spring. Flowers golden-yellow. Pkt., 20c.

**Campanula Allionii.** Of prostrate and trailing habit. Beautiful heavenly-blue flowers. Pkt., 25c.

**Dianthus Alpinus.** Low growing, sweet scented, early blooming Garden Pinks. Particularly adapted to Rock Gardens. Pkt., 25c.

**Primula Rosea** (Primrose). This requires a partially shaded location. Exceptionally fine for Rock Garden. Rose-carmine in color, blooming in May and June. Height 8 inches. Pkt., 25c.

**Saxifraga** (Mossy Varieties). The most important and one of the largest of the plants adapted to Alpine gardening. Colors are in white, pink, and red. Pkt., 25c.

**Tunica Saxifraga.** A pretty tufted plant producing light pink flowers all summer. This may be used either in the rockery or for border planting. Pkt., 20c.

**Cyclamen Hederacifolium.** One of the Neapolitan Cyclamen throwing a flower stalk of 4 to 5 inches in height. Colors are red and rose and some of purplish-red. Pkt., 25c.

**Gentiana Septemfida** (Gentian). Particularly adapted to moist shady situations in sandy loam. Seed is slow to germinate and do not use lime in the soil. The most beautiful shade of blue found in any flower. Pkt., 25c.

**Leontopodium Alpinum** (Edelweiss). This is known as an Emblem of Purity. Grows 4 to 12 inches high densely covered with whitish wool. The attractive portion being the clusters of woolly flower leaves surrounding the very small inconspicuous yellow blooms. Start the seed indoors about March 1st. Or sow in open ground in May. Pkt., 25c.

**Silene Acaulis.** An excellent class of plants for the rockery being closely allied to the Pinks and require the same treatment. They bloom practically all summer, 8 inches in height. Pkt., 15c.

**1 Packet Each of This Collection for \$2.25.**

## Additional Perennial Flower Seeds For the Hardy Border and Some, According to the Descriptions, Adapted to Rockeries

**Achillea, The Pearl.** (Milfoil or Yarrow). Achilleas are easy to propagate and thrive in any good garden soil, however, they prefer sun. Useful in the border, wild garden or shrubbery; desirable for cutting. Pkt., 20c.

**Arabis, Alpina.** (Rock Cress.) A perennial of easy culture valuable for beds, edgings, rock gardens. They do well in any soil but need plenty of sun. Blossom early and their pure white blossoms make a very pleasing contrast with Alyssum Saxatile or Basket of Gold. Pkt., 10c.

**Asperula.** (Hexaphylla.) Pretty white flowered perennial with square stems. Four-lobed flowers with the foliage whorled. They do the best in the shade. Very desirable to mix with Sweet Peas and other cut flowers to lighten the effect. Pkt., 15c.

**Boltonia, Astorides.** (False Chamomile.) The Boltonias bloom at the same time as the Wild Asters and because of their height, 4 to 6 feet, are very desirable in large perennial borders. The plants literally bear thousands of star-like white flowers during July to October. Pkt., 15c.

**Cerastium, Tomentosum.** (Snow-in-summer.) Very desirable for rockeries and edgings. Grows four inches tall.

It is a creeping plant with the upper surface of the leaves light in color and woolly. It bears a profusion of white flowers early in the season. Pkt., 15c.

**Echinacea, Purpurea.** (Purple Cone-flower.) Strong growing perennials for the border or wild garden, blossoms in July and August, desirable for cutting. Grows 3 to 4 feet tall bearing large rosy-purple flowers and dark central disc. Pkt., 15c.

**Echinops, Ritro.** (Globe Thistle.) A distinctive plant well adapted to the hardy borders or among shrubbery or to use as bold specimen plants. The flower heads are round as a ball and are entirely covered with needle-like thistles. Excellent for cutting, can be dried and will remain attractive for months. Suitable for naturalizing in wild gardens. Pkt., 10c.

**Eupatorium, Ageratorides.** (Thoroughwort.) (White Snake Root.) A strong growing border plant, suitable for cutting. They bear Ageratum-like heads of minute flowers. Thrive well in any garden soil, however prefer shade. Height 2 feet. Pkt., 10c.

**Gentiana, Acaulis.** (Gentian.) Beautiful hardy border and rock plants with beautiful deep blue bell-shaped flowers, in fact the most beautiful blue found

in any flower. Height 4 inches. They thrive best in moist, shady, sandy loam. Quite difficult to establish; do not transplant after once started. The seed is slow to germinate and do not use lime in the soil. Pkt., 20c.

**Helenium, Atumnale Superbum.** (Sneezewort.) A tall summer flowering plant. Blossoming period from June to September dependent on locality. Height 4 to 5 feet. The flowers are flat and are borne in large heads of clusters. Color is clear light yellow. Pkt., 10c.

**Heuchera.** (Coral Bells.) A neat growing graceful flowering perennial bearing an abundance of flowers suitable for cutting. Heart-shaped leaves. Exceptionally fine for the rock garden or where 18 inches to 2 feet is desired in the hardy border. Colors are flesh-pink through to deep crimson. Pkt., 30c.

**Iberis.** (Perennial Candytuft.) Dwarf evergreen plants growing 6 to 10 inches high. Very desirable for rockeries or borders where dwarf bright masses are desired. Blooms early spring and summer. Pkt., 15c.

**Monarda, Hybrida.** (Bergamot or Bee Balm.) A fine perennial for naturaliz-

ing and to be used in the shrubbery borders. Flowers are brilliant scarlet, foliage is very fragrant. Thrive in sandy loam and sunny positions. Good for bees. Pkt., 15c.

**Physostegia, Virginica.** (False Dragon Head.) This very beautiful perennial grows 3 to 4 feet tall with spikes of rosy-pink, lilac, or white flowers, tubeshaped similar to a tiny Snapdragon blossom. Very attractive foliage surrounding the graceful spikes. Blossoms in June to September. Pkt., 10c.

**Platycodon.** (Chinese Bell Flower or Balloon Flower.) Height 18 in. to 2 ft. A very beautiful border plant belonging to the Campanula family, the flowers while in bud have the appearance of an inflated balloon. The flowers are blue and white, blossom from June to September. Pkt., 10c.

**Ranunculus, Asiaticus.** (Buttercup.) This will blossom the first year from seed if sown early. Flowers in May, variable in color, generally double in form, height 6 to 12 inches. Pkt., 15c.

**Veronica, Spicata.** (Speedwell.) A hardy herbaceous perennial belonging to the Foxglove family. Height 2 feet, small spikes of rich blue flowers. A showy plant for sunny borders. Very easy to grow from seed. Pkt., 15c.



**Catchfly (Silene).** (12 in.) A very desirable hardy perennial for borders or the rock garden. This plant is very closely allied to the Pink family and requires the same type of treatment. They bloom practically all summer. The blooms are rose colored and are clove scented. Pkt., 10c.



**Alyssum Saxatile or Basket of Gold.** A very desirable perennial for rockeries or rip-rap walls. Grows about 1 ft. tall, blossoms in May and June, carrying masses of golden flowers. Pkt., 10c.



**Nigella.** (1½ ft.) (Love-in-a-mist.) A very curious and beautiful free flowering annual plant, and grows readily in any location. The foliage is fine and pretty. Delightful when planted with Hunnemanina. Blue and white mixed. Pkt., 10c.





**Sweet Rocket** (*Hesperis*, also known as Evening Scented Stock). A perennial which belongs to the Wallflower family. It grows 2 to 3 feet tall and its blooming period is from June to August. The seed should be sown the latter part of February or March and transplanted into the open ground in April or May. Purple and White Mixed, Pkt., 10c.



**Forget-me-not** (*Myosotis Alpestris*). (4 to 9 in.) One of the best spring flowers when grouped with Pansies and Daisies. This variety is of trailing habit and is well adapted to covering large patches where they will bring about a sea of beautiful dainty blue flowers. They thrive nicely and flourish well in shady moist situations. Very desirable for edging in the landscaping or to be used in planting around the lily pool. This is the national flower of Belgium. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.



**Brachycome** (Swan River Daisy). Dwarf-growing, free-flowering annual, about 12 inches high; literally covered during the greater part of the summer with a profusion of blue, pink, and white daisy-like flowers. Suitable for edging or small beds. Pkt., 10c.



**Liatris** (Blazing Star or Gay Feather). This is a rather odd perennial growing in long spikes 4 to 5 feet tall and densely covered with grass-like leaves of light green. The flowers which grow around the stalk are light lavender blooming from the top of the stalk downward rather than from the bottom upward. Pkt., 15c.



**Star or Cuspidata**. Belongs to the same family of Phlox but as the illustration shows they have quaint and unusual flower formations. Same variations of colors as the Grandiflora type, height 1 ft. This strain does particularly well in the hot sun. Pkt., 10c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 30c;  $\frac{1}{2}$  oz., 50c; oz., 90c.

**Phlox Drummondii** (Grandiflora). (12 in.) An annual which is easily raised and one of the showiest. It produces a continuous supply of attractive blooms, in a marvelous range of colors. All of the tints and colors, variations of stripes, veins and eyes of contrasting shades are found in this pretty flower. Sow the seed as soon as the danger of frost is over and in a few weeks they will start blooming. Pkt., 7c;  $\frac{1}{8}$  oz., 15c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

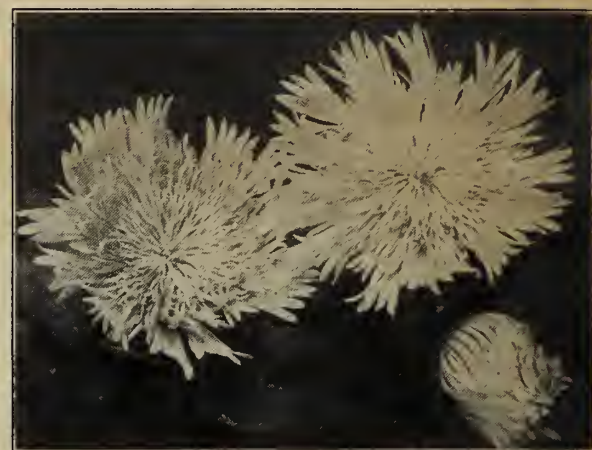


**Gaillardia** (Blanket Flower). (2 ft.) This valuable perennial has a very long flowering period from June till October. Blossoms a bright yellow with maroon centers, are very attractive and gay. Easily grown in ordinary soil, as beds or borders. Pkt., 10c.

## Phlox Drummondii



**Phlox Drummondii** (Grandiflora)



**Stokesia, Cyanea** (Stokes Aster, also called Cornflower Aster). A beautiful perennial which grows about 18 inches tall and blooms from July to October. The flowers are blue and seem to be a cross between an Aster and a Cornflower. Pkt., 10c.



**Cynoglossum, Amabile** (Chinese Forget-me-not). One of the most beautiful annual plants we have, growing 18 to 24 inches high, where the blooms are used to mix with other flowers. The color is the most beautiful heavenly blue. It grows easily and blooms for a long time. Pkt., 15c.



**Schizanthus** or Poor Man's Orchid (*Wisetonensis* strain). This is one of the beautiful dainty annuals growing about  $1\frac{1}{2}$  ft. tall. The flowers are small but bright, in a bewildering range of colors, blotched and marked in contrasting shades. The foliage is fern-like. The seed germinates readily and in a few weeks the plant is a mass of flowers. It may be sown in the spring in the garden or may be seeded in the fall in pots and allowed to bloom in side. Pkt., 10c.





**Japanese Morning Glory** (*Ipomoea imperialis*). A beautiful rapid growing annual. The flowers have a wide range of colors, some starred, others margined, as well as those in solid colors. Seed should be soaked in warm water 24 hours before using to bring about more rapid germination. The larger seed about the size of a pea should be notched with a file before soaking. Pkt., 10c; ½ oz., 20c; oz., 30c.

**Heavenly Blue.** Some people desire the one color of this beautiful seed, therefore we are offering this separately at 10c per pkt.; ¼ oz., 20c; ½ oz., 30c; oz., 50c.



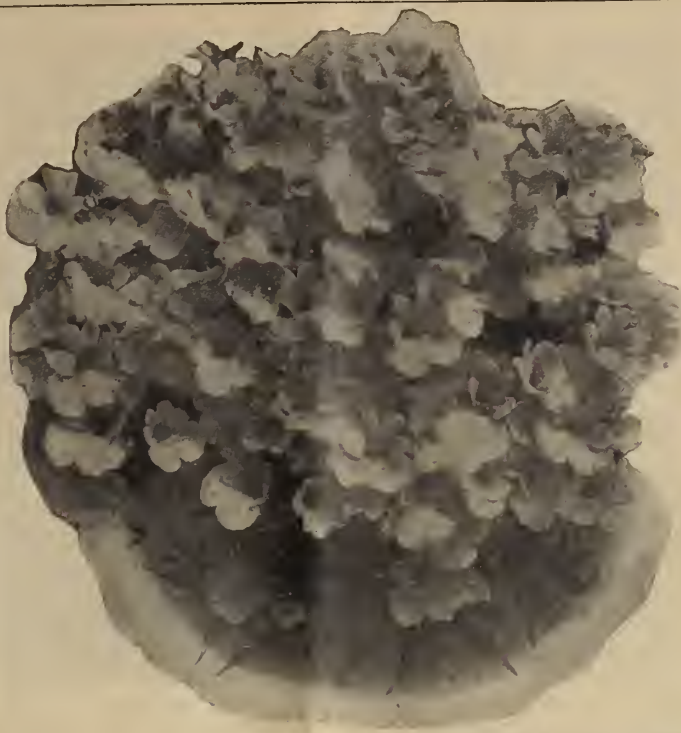
**Nasturtium.** No annual excels the Nasturtium for a long period of bloom and easy culture. They need a sunny location but do not depend entirely on rich soil.

Tall. All Colors Mixed. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c.

Dwarf, mixed. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c.

## MIXED EVERLASTING FLOWERS

In years past we have had many requests for a packet of Mixed Strawflowers, in other words flowers that will dry for winter bouquets. We now offer to the gardening public just such a packet. All of the varieties of Strawflowers listed in our catalog are represented in this article. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



**Nemesis.** A delightful dwarf annual, growing about 1 ft. tall, which is very desirable for mass growing in the foreground or for edging. The flowers which are often ¼ of an inch in diameter are varied in color, rose, yellow, orange and blue. All colors mixed, Pkt., 10c.



**Canna.** These are usually planted from roots or started plants but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. Enormous blooms carried on spikes above broad leaves of green or bronze, makes a beautiful tropical effect in the garden. See page 63 for roots. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.



## Kills Plant Insects

EFFECTIVE against Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Aphids, Leaf Hoppers, and most other plant insects including cutworms.

**NON-POISONOUS** — EVER GREEN is harmless to man, live stock, birds and pets. Kills only insects. Eliminates washing of fruits and vegetables before marketing.

**NON-INJURIOUS** — Won't burn or injure the tenderest crops. Can be used on celery and roses. Doesn't injure the soil in any way.

**NO DETERIORATION** — When undiluted, EVER GREEN retains its strength indefinitely.

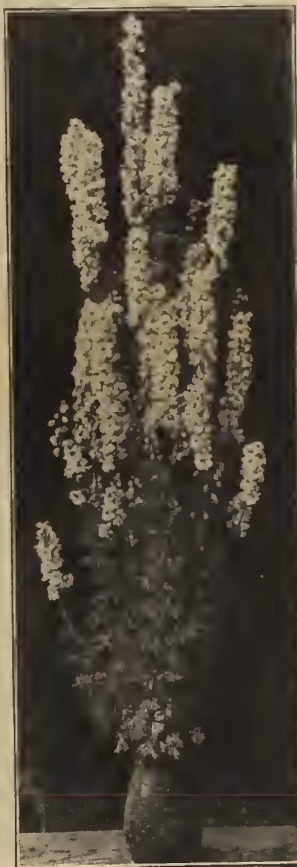
**WON'T GUM SPRAYERS** — Has no injurious effect on metal or rubber. Sprayers can't get clogged, for EVER GREEN stays in solution.

### LIST PRICES

1 oz. bottles.....	\$ 0.35
6 oz. bottles.....	1.00
16 oz. bottles.....	2.00
32 oz. bottles.....	3.50
1 gal. bottles.....	11.50

Being Non-Poisonous Ever Green Can Be Sent Through the Mail.

## LARKSPUR



### A New Group of Annual Larkspur

**Giant Imperial or Spire.** This is the group of Larkspur that has the base branching habit and grows its stalks as the cut above shows. Particularly nice for the garden and especially select for the florists for indoor forcing. Offered in the following separate colors only.

White Spire.

Lilac Spire.

Blue Spire.

Exquisite Rose.

Exquisite Pink.

Pkt. each of any variety, 15c; ¼ oz., 50c; ½ oz., 90c; ¾ oz., \$1.60; oz., \$3.00.

**Annual or Double Larkspur.** These are very effective in borders and planted amongst shrubs. The spikes of bloom are very desirable for mixed bouquets. They continue flowering over a long period. Sow seed in the open ground either in the late fall or early spring so that germination might take place as early in the spring as possible. Pkt., 10c; ¼ oz., 40c; oz., 75c.



(See inside back cover)

**Salpiglossis (Painted Tongue).** (2½ ft.) This is one of the most attractive annuals and should be in every garden. The blossoms one might say are Petunia shaped but each flower is veined with a trace of gold and is the only one we know of possessing this odd characteristic. The blooms are beautifully marked in all shades of yellow, pink, brown, purple, wine, etc. No annual garden complete without them. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; ¾ oz., 50c; oz., 90c.



**Nicotiana, Sanderac Hybrids.** (2 ft.) One of the easiest annuals to raise and very attractive in the garden. The blossoms are not unlike Petunia in shape, but have a much longer tube. The flowers open late in the afternoon and the fragrance at that time is very strong. All colors mixed. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; ¾ oz., 60c.



## GYPSOPHILA

**Elegans Grandiflora Alba (Angel's Breath).** (2 ft.) An improved large flowering pure white annual. Particularly nice for mixing in bouquets. Several plantings should be made during the spring to keep up a steady supply of blossoms. Pkt., 5c; ½ oz., 20c; oz., 35c.

**Paniculata Flora Plena (Baby's Breath).** (2 to 3 ft.) This wonderful perennial flower, blooming in July and August, is particularly desirable for mixing in bouquets. It is of the double type (about 25% come true double). Its tiny white balls of petals are much more beautiful than the old type single. Do not disturb after established. Pkt., 10c.





**Anchusa (Capensis).** This hardy annual grows about 2 feet tall, and is of extraordinary beauty. It branches freely and bears a profusion of pretty flowers resembling the Forget-me-not; however, the blooms are larger and of finer color. Blooms early and continues all summer. Pkt., 10c.



**Sweet William (Dianthus Barbatus).** A grand and a very well known and exceedingly beautiful class of hardy perennials. The massive trusses of brilliant and dazzling flowers are a magnificent sight to behold.

Single Mixed. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 45c.

Double Mixed. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

Double and single choice mixed all colors. Pkt., 7c; ½ oz., 40c; oz., 75c.

With each dollar's worth of flower seeds ordered, you may select any 10c package you may desire, without additional cost.



**Mignonette (Reseda).** (18 in.) No annual flower garden is complete without this very fragrant flower in it. While the flower is not particularly beautiful it is very remarkable in odor. This is used extensively by bee keepers as a honey-producing plant. Pkt., 5c; ½ oz., 15c; oz., 35c; ¼ lb., 85c.



**Double Clarkia.** (2 ft.) An easily grown annual which has gone through decided improvements in recent years. This pretty flower will do well either in the sun or shade, growing 2 to 2½ feet tall. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.



**Escholtzia (California Poppy).** (1 ft.) Beautiful free flowering annual variety of poppy-like blooms. Yellow, orange, and red. Thrives in any garden soil. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.



**Wallflower (Goldlack).** (1½ ft.) Wallflowers are not as well known as they should be. Particularly adapted to pot-culture and outdoor bedding. The oriental coloring of rich reds and yellows with a delightful sweet fragrance make them particularly desirable. Grown easily and the cut flowers last a long time. Not hardy in the Northern states. Pkt., 10c.



**Physalis, Franchetti (Chinese Lantern Plant).** A perennial whose flowers are not very interesting but is grown for its balloon-like husks that cover the seed pod. These are a bright red when ripe and resemble Chinese Lanterns. The plant grows about 1½ feet tall. Pkt., 10c.



**Cobaea Scandens.** (25 ft.) One of the most beautiful and rapid growing climbers. With very large purplish lilac bell-shaped flowers. It is a very rapid grower, and consequently is well adapted during our summers to the warmest and the sunniest situations out of doors. The seed should be sown edge-wise. Pkt., 10c.



**Cyclamen.** One of our most beautiful and prized house plants, with beautiful foliage and richly colored flowers. They may be successfully grown with a little care and patience, transplanting as the plant develops. Do not attempt to grow this out of doors. Extra choice exhibition mixture. Pkt., 15c.

### ANNUAL FLOWER GARDEN MIXTURE

Sow broadcast where wanted to grow

This is a compounded mixture of annual flower seeds that will do well with a minimum amount of care. There are 25 to 30 varieties of flowers in this mixture. The blooming season covers the entire summer and fall, providing a generous amount of flowers until they are killed by frost. Primarily this mixture was gotten up by us for large spaces where people wish to cover an ill-kept piece of ground. It has now been refined to the point where it can be used either in a small space or it can be purchased in quantity to take care of a large tract. We are positive that this will please you and surprise you. Sold only in the amounts hereafter specified.

Large pkt. .... 10c  
1 oz. .... 35c  
¼ lb. .... \$1.25



**Chinese Primrose (Primula Sinensis).** A very charming and profuse flowering plant. Is indispensable for winter and spring decoration in house and conservatory. Florists have great demand for them. Fine European selection. Mixed. Packet, 10c.





**Oxalis.** (4 to 6 in.) A beautiful little flower for edgings or pots, also to be used in hanging baskets, carries a profusion of flowers all summer. Flowers are pink, yellow and white, foliage a dark bronzy green. Pkt., 10c.



**Thunbergia (Black-eyed Susan).** (4 ft.) A profuse flowering annual of trailing habit. Colors all shades of yellow and orange to pure white, with jet black centers or eyes. Mixed, pkt., 7c.



**Double Daisy (Bellis Perennis).** (6 in.) A well known plant, being perfectly hardy, therefore desirable for flower borders in which it will last for many years, if left undisturbed. Finest double mixed. Pkt., 10c.



**Lantana.** (2 ft.) Charming plants, with brilliant rosettes of blossoms, in all the various hues of pinks, purples, orange, etc. Is excellent either for house culture or open ground. Remarkable for their free flowering. Constantly changing their color. Mixed, pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 90c.



**Double Dahlia.** One of our best summer and fall flowering plants. Blooms the first year if started early. Protect the roots in a dry cellar during winter. It is in its greatest glory at the time so many others are fading. All the finest. Mixed. Packet, 10c. See Page 61 for Dahlia Roots



**Gloxinia.** Superb variety of finest green-house plants, producing in greatest profusion, the most splendid, lovely, beautiful flowers, of the richest and most beautiful colors of our valuable house plants. Finest varieties, mixed. Packet, 15c.

**Adlumia (Cirrrosa).** (15 ft.) Very fine hardy climber; foliage like the Maiden Hair Fern. Also called Mountain Fringe, or Alleghany Vine. Delicate pink flowers. Pkt., 10c.

**Love Lies Bleeding (Annual).** Has long drooping panicles, or fine chains of flowers; very attractive, giving a garden an imposing, graceful appearance. Well adapted to any soil, location or climate. Pkt., 10c.



**Castor Bean (Ricinus Zanzibarensis).** (10 ft.) Ornamental foliage; stately growth; showy fruit; gives a tropical appearance. Give a warm, sunny situation. Large varieties, mixed. Pkt., 5c; 1/2 oz., 15c; oz., 25c.



**Linum (Blue Flax).** A very dainty perennial, bearing flowers continuously during the flowering season. The plants grow 24 inches high, having a lacy foliage. Pkt., 10c.

**Scarlet Flax.** (2 ft.) Also known as the Dwarf Flowering Flax. One of the most showy, brilliantly colored summer annuals. The flowers, dazzling red in color, are borne in profusion from May to October by making successive sowings. Pkt., 7c.



**Four o'Clocks. (Marvel of Peru.)** (2 ft.) An old fashioned flower of bushy habit. Flowers of white, yellow, violet and crimson, borne in great quantity all during the summer. This makes a very attractive hedge plant. The glossy foliage dotted with hundreds of flowers make an attractive sight. All colors mixed. Pkt., 5c; 1/2 oz., 15c; oz., 25c.



**Calceolaria (Pouch Flower).** The remarkable beauty of this flower makes it indispensable for greenhouse decoration. Blossoms are borne in great profusion in beautifully spotted and tigered colorings. Choicest varieties, all colors mixed. Pkt., 15c.



**Cineraria.** A well known favorite and free-flowering plant for the Home and Greenhouse. They may be had in splendid bloom, through the greatest portion of the year. Very easily grown. All large-flowering sorts. Mixed. Packet, 10c.



**Cactus.** Very curious, odd looking, strange species of plants which will thrive anywhere with little or no care. But little watering is required. The flowers are of exquisite beauty and delicious fragrance. Expressions of wonder and admiration greet them. All mixed. Packet, 10c.

With each dollar's worth of flower seeds ordered, you may select any 10c package you may desire, without additional cost.



**Sensitive Plant. (1 ft.)** An attractive annual grown as a curiosity. Decidedly a race of curious plants, from the fact that when slightly touched, its leaves close sensitively, hence name. Pkt., 5c; 1/2 oz., 20c; oz., 35c.



**Ice Plant (Mesembryanthemum).** (6 in.) A singular plant of spreading habit, and very effective in beds, rockwork, or hanging baskets, etc. The plants have a peculiar icy foliage, and the sun gives to them the appearance of being covered with icy crystals. The flowers are white and pink. 10c.







**Double White Feverfew.** (30 in.) A very handsome, and a free flowering plant, succeeding in any soil. Is fine for both the house, and the open ground. Finest imported, pure double white, which will produce the most beautiful display of any herbaceous plants. They make beautiful bouquets, and can be grown almost anywhere. Pkt., 10c.



**Geranium.** These flowers have no rivals for bedding or window boxes. They grow readily from seed the first year producing blooming plants the first summer providing the seed is started early in the house. All choicest varieties mixed. Pkt., 10c.

**Canary Bird Flower.** (15 to 20 ft.) The popular name given this pretty annual alludes to its supposed resemblance to birds with wings expanded. Valuable trailer and climbing vine. They bloom all the summer and fall. It grows well in any warm, sunny situation. Easily trained to run in any direction you desire. 10c.



**Trumpet Creeper.** (15 to 20 ft.) Rapid growing, and hardy climbing vine; covered in summer and fall with great, large clusters, which present beautiful masses of bloom. Pkt., 10c.



**Glory Pea** (*Clianthus Dampieri*). Also known as the Glory Pea of Australia. This beautiful annual grows about 2 feet tall and has beautiful clusters of bright red flowers with a black spot, the beauty is enhanced by a foliage that is very neat. Pkt. of 15 seeds, 20c.



**Helipterum** (*Sanfordii*). (18 in.) A beautiful everlasting; fine for summer blooming and for winter bouquets. Is splendid for borders. Hardy annual, and is a native of Australia. Mixed colors. Pkt., 10c.



**Saffron.** Pretty orange flowers which deserve a place in every garden. Flowers useful in medicine. Pkt., 5c; oz., 25c.



**Ipomopsis** (Tree Cypress). A handsome plant with a fine feathery foliage like Cypress Vine. It has long spikes of very beautiful, dazzling scarlet fine spotted flowers. Will thrive in any soil. Pkt., 7c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



**Rhodanthe.** (18 in.) A delicate charming everlasting. Requires a light, rich soil in a warm, sheltered garden spot. Beautiful for winter bouquets. Mixed. Pkt., 10c.



**Fuchsia.** A well known greenhouse plant that will bloom the first year if planted early. Seed cannot be sown in the open ground. Double and single mixed. Pkt., 20c.



**Lophospermum Climbing Foxglove.** This is an annual of climbing habit, about 10 feet, it has Fox-glove-like blossoms in pink. Particularly beautiful for the effects given. Pkt., 15c.



**Agrostemma** (*Coronaria*). (1 ft.) Attractive, hardy perennial of easiest culture, produces immense amount of rosy and white flowers. Blossoms the first year, and produces a very fine effect. Mixed. Pkt., 10c.



**Dusty Miller** (*Centaurea Gymnocarpa*). (1½ ft.) One of the prettiest of ornamental leaved plants. The leaves are white and beautiful for vases, edgings, ribbons, and to mix with cut flowers. 10c.



**Fountain Plant** (*Amaranthus Salicifolios*). (3 ft.) A beautiful annual, peculiar in form and color. The foliage is willow leaved, shaded with orange, bronze and crimson. Very interesting, plants growing readily. About 3 feet high. Pkt., 10c.

## BOOKS ON GARDENING

### Garden Guide

The Amateur Gardener's Handbook.  
4th edition, 384 pages, over 275 illustrations.  
**CONTENTS:** Planning the Home Grounds; Lawns and Grass Plots; Hedges and Fences; Trees and Shrubs; The Rose Garden; Hardy Perennials for the Permanent Garden; Annuals and Biennials; Some Garden Favorites and How to Grow Them; Bulbs and Tuberous-Rooted Plants; Hardy Garden Ferns and Water Plants; The Rock Garden; Garden Furniture; Window Boxes and Porch Plants; The Vegetable Garden; Fruit for the Small Garden; Bungalow or Midsummer Garden; Fertilizers; Pruning; Plant Propagation; Transplanting; Winter Protection; Some Common Diseases of Plants and Their Control; Lawn and Garden Weeds; Greenhouses, Hotbeds and Frames; Garden Tools; Calendar of Garden Operations; Animal Life in the Garden; Birds in the Garden; Fruits and Vegetables for Winter; Topics, Miscellaneous.

PRICE, cloth cover, \$1.65, postpaid.

### 1001 Garden Questions Answered

By Prof. Alfred C. Hottes

A guide book to daily operations, covering the flower, vegetable and fruit garden. The great majority of the questions asked are bona fide.

**Outstanding Features of the Book:** A thorough and complete calendar of operations. Lawns, Walks and Paths, Rock Gardens, Water Gardens, and Bedding Plants; Soils and Fertilizers, Insects and Diseases, with up-to-date information on spraying of fruit, flowers, and vegetables; Hardiness and Transplanting, Propagation, Plant Breeding, Crossing Technique, Annuals, Perennials; Bulbs and Roses, including notes on Lilies, etc.; Fruits, Vegetables, Hotbeds and Coldframes; Evergreens, Shrubs, Trees, Tree Surgery; Show and Judging Scales; Care of Cut Flowers, House Plants; practical notes on the construction of a pool; useful information to do one's own tree surgery; enough information so that one can breed plants. The book contains 320 pages and is copiously illustrated. A beautiful four-color plate adorns the cover.

PRICE, cloth cover, \$2.15, postpaid.

### A Little Book of Annuals

By Alfred C. Hottes

Beautifully bound in green cloth.  
116 pages, numerous illustrations.

**CONTENTS:** The Use of Annuals; Ordering Seeds; Classes of Annuals; Seed Sowing; Transplanting; Pinching; The Hoe vs. The Hose; Watering vs. Sprinkling; Annuals and Shade; Fall Sowing and Self-Sown Annuals; Hotbeds and Coldframes; Annual Flowers and Their Use; A Chain of Ten Links; Annuals of Merit; Ornamental Grasses; Everlastings; Decorative Seed Pods; Annual Vines; Index to Plant Names; Tabular Cultural Index.

PRICE, cloth cover, \$1.65, postpaid.

### A Little Book of Perennials

By Alfred C. Hottes

Bound in green cloth. 200 pages, well illustrated.  
**CONTENTS:** The Perennial Garden; The Perennial Border; Garden Operations; Insects and Diseases; Propagation for Shady Places; Rock Gardens and Plants, the Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herbs; Index of Plant Names; Tabular Cultural Index.

PRICE, cloth cover, \$1.65, postpaid.

### Practical Landscape Gardening

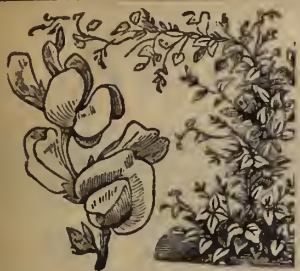
By Robert B. Cridland

For the owner of a Modest Home

**CONTENTS:** The Importance of all Careful Planning; Locating the House; Arrangements of Walks, Drives and Entrances; Construction of Walks and Drives; Lawns and Their Grading; Construction and Upkeep; Ornamental Planting of Trees and Shrubs; The Flower Garden; Architectural Features; Hardy Borders and Rose Gardens; Wild Gardens and Rock Gardens; Planting Plans.

276 pages, size 6 x 8 in. PRICE, \$2.65, postpaid.





**Hyacinth Bean (Dolichos).** (10 ft.) Beautiful annual climbing plant with elegant flowers, and the prettiest seed-pods, being a beautiful purple, shining as though freshly varnished. Pkt., 5c; oz., 25c.



**Venus' Looking-Glass (Campanula Speculum).** (12 in.) Is a neat, hardy, free flowering class of plants blossoming the first year, and for every season thereafter as a perennial. Flourishes nicely in any of our most common garden soils. Pkt., 10c.



**Double Sanvitalia (Procumbens flora plena).** (6 in.) An annual plant, prostrate in growth and spreading over the soil. Literally covered with tiny golden-yellow Zinnia-like flowers, with dark purple centers. Some of them are single and others double. Start blooming in June and continue until killed by freezing. Desirable in rockeries and edging. Pkt., 10c.



**Evening Primrose (Oenothera).** (1½ to 2 ft.) An annual plant of easy culture. It is a delight, in the evening, to watch this plant and see the calyx drop and unfold their petals, at which time they emit a sweet perfume. The blooms are large saucer-shaped flowers, white or golden yellow. Mixed. Pkt., 10c.



**Adonis (Pheasant Eye).** An early blooming annual plant growing about 1 ft. high. Very pretty foliage and brilliant deep crimson flowers. Especially desirable for mixing in bouquets. Pkt., 7c.



**Collinsia.** A free flowering hardy annual, growing 18 inches high. The plants grow in clumps and flowers grow in great profusion in rows around the stalks. All colors mixed. Pkt., 10c.



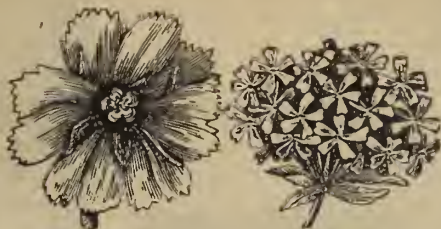
**Golden Bartonia.** (12 in.) One of the showiest annuals desirable for beds and borders. Producing golden yellow flowers. The foliage is thistle-like and gray. Very striking in the sunshine. Plant the seed where wanted in the garden, as they will not stand transplanting. Pkt., 5c.



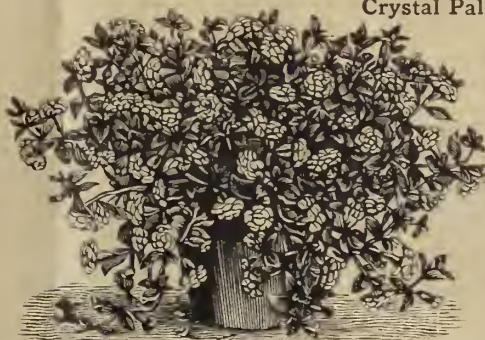
**Lobelia.** This charming plant forms a compact bush about 6 inches high that is practically covered throughout the season with dainty blue flowers. Very desirable for edgings, ribbon bedding and general garden culture, also can be used for pot culture. They flower the first season from seed. Pkt., 10c.



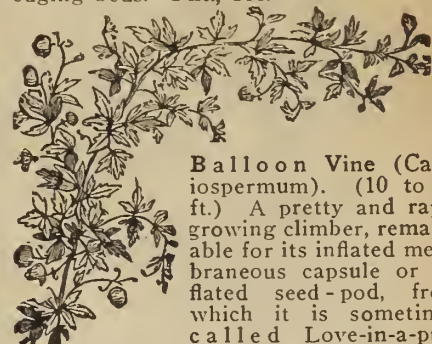
**Ammobium.** (2½ ft.) Another Everlasting. Pure white, grows freely in any garden soil. Very showy in borders where pure white is desired. Pkt., 5c.



**Lychnis (Jerusalem Cross).** (2 ft.) A hardy perennial blooming from June to August flowers that are of a very fiery red. Will blossom the first year if sown early. Pkt., 10c.



**Musk Plant.** (10 in.) (Mimulus Moschatus.) An old-fashioned plant of bushy habit, with tiny yellow flowers. This makes a very interesting house plant. Pkt., 15c.



**Balloon Vine (Cardiospermum).** (10 to 15 ft.) A pretty and rapid growing climber, remarkable for its inflated membranous capsule or inflated seed-pod, from which it is sometimes called Love-in-a-puff. Produces the finest effect when grown on a small bush or trellis. Pkt., 10c.



**Scarlet Runner Pole Beans.** A variety of bean that we are listing with the flower seeds, as they are worthy of consideration in this department. Rapid growers with clusters of dazzling scarlet flowers. Beans make a very desirable shell variety for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.



**Anemone (Wind Flower).** Beautiful hardy perennial which blossoms very early in the spring. Large attractive blooms of a great variety of colors, fine mixed. Pkt., 10c.



**Abutilon.** (2 ft.) Large flowering. (Flowering Maple.) An easily grown flower for indoor use, can be set out of doors in the garden during the summer. Leaves are very ornamental and often variegated. Flowers are bell-shaped, borne the year round indoors. Very interesting and beautiful. Pkt., 15c.



**Passion Flower (Passiflora).** (10 to 15 ft.) Hardy and handsome climber, grows rapidly, blooms freely, rivals most vines in size, color and a profusion of blooms. Surpasses many in growth and sweet fragrance. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.



# Shumway's Novelties of Outstanding Merit



**SCABIOSA CAUCASICA**

(See inside back cover)

(Blue Bonnet) Isaac House New Giant Hybrids

This is a decidedly new strain of the perennial Scabiosa. The flowers are very large, ranging in color from azure-blue and lavender to deep blue and silvery white. The blooms are about 3 inches in diameter carried on a plant which grows from 18 to 24 inches tall. Pkt., 15c.



**SHASTA DAISY**  
(Alaska)

We believe this to be the finest strain of the Shasta Daisy. A hardy perennial with flowers 4 to 5 inches across, pure white with broad overlapping petals. Flowers are carried on long strong stems, remaining in good condition for a week. Pkt., 10c.



**PENSTEMON, SENSATION**  
(See inside back cover)

This beautiful flower grows about 2 feet tall; it is a perennial but can be easily grown as an annual. The seed when sown inside during February or March will bloom freely the first year. The large flower spikes produce beautiful Gloxinia-like flowers. Very brilliant various colored blooms. One of the most desirable flowers in the border and very attractive when planted in combination with the Maximum Snapdragon. Pkt., 10c.

If interested in tulips, hyacinths, narcissus, crocus, peonies, iris and lilies, request a fall catalogue, giving name and address on separate slip of paper. One will be mailed you during the month of August.

**LINARIA**

(Macedonia Speciosa)

This is a very fine perennial, easily grown from seed, and is undoubtedly the best yellow perennial that can be grown for general use. It is hardy and can be used where medium height is needed in the hardy borders. The flowers resemble large golden yellow snapdragons, borne on stems averaging three feet. The foliage is rather attractive and has a silvery medium-sized leaf which extends up the stems at the joint from where the flowers advance. Pkt., 15c.



**CHAUBAUD'S GIANT IMPROVED CARNATION**

This is a new acquisition in the line of Carnations; coming into bloom 6 months from seed and continuing to bloom throughout the summer. The plants are of robust, upright habit, forming 10 to 20 stalks, bearing huge flowers of fine form. The stems are stiff, blooms are as large as indoor grown Carnations and highly clove scented. This strain is not to be confused with the old types of Carnation. For winter protection give a light covering of straw. All colors mixed. Pkt., 25c.



**DOUBLE PYRETHRUM ROSEUM**

This is a new strain of that delightful perennial, selected for its double blossoms. One cannot expect from seed to secure all double, however it will run about 50 per cent so. It grows 1 to 2 feet tall, blooming period in May and June and again in August and September. For those looking for the newer things, for their perennial borders, they will find this a real acquisition. Pkt., 15c.



**BLUE PERENNIAL POPPY**  
(Meconopsis Baileyi)

One of the finest introductions of recent years. This beautiful Blue Perennial Poppy, brought over from Tibet to England by Captain Kingdon Ward, throws up from its rootstock half a dozen leafy stems 2 to 3 feet tall, broad sea-green leaves bearing freely at their heads large four-petaled blooms of a Glorious Sky-Blue color, the effect of which is made more beautiful by a central zone of golden-yellow antlers. It is quite hardy, preferring a shady position. This beautiful plant received "Certificate of Merit" by the Royal Horticultural Society, and should, as it becomes known, be one of the most popular plants in cultivation. Pkt., 35c.



# Flower Seed Novelties for 1932



*Venidium Fastuosum*

## Venidium Fastuosum

A new outstanding annual flower which was found in South Africa. It can be grown either out of doors or under glass. Blooming about 3½ to 4 months from time of planting. It grows 2 to 3 ft. high, has long serrated leaves and the brilliant orange flowers are 3 inches across with dark centers and a deep purple zone. Do not fail to have this very new flower in your garden. Pkt. 35c.

## Hollyhock, Double Triumph

This new perennial is of branching habit, growing 4 to 5 ft. high. Instead of the one main stalk, as the other Hollyhocks, there are lateral branches from this stalk that are studded with waved and fringed flowers double in formation, in colors hitherto unknown in this family of flowers. Forty-five distinct colorings have been noted in one planting, some in bi-colors such as cream flushed rose, white edged lilac, etc. This beautiful new Hollyhock blooms about 10 days ahead of the other classes. Very highly recommended. Pkt. 50c.



*Chrysanthemum Japonicum*

## Nasturtium Golden Gleam

This is a new strain in the Nasturtium family. In our trials this year it grew about 20 inches high; the flowers are golden in color, sweet scented and semi-double to double. This is the first year the seed has been offered for sale. It has been tried throughout the United States and Europe by expert horticulturists who all claim it to be one of the finest of the new flowers. Pkt. 20c.



*Nasturtium Golden Gleam*



*Lilium Philippinense Formosum*

## Lilium

### Philippinense Formosum

This beautiful Lily was found to be of Japanese introduction. Its long wide mouth trumpet flowers of the purest white are slightly marked on the back of the petals a reddish-brown. This Lily has been known to blossom six months from seed; however, let it stay in your garden and establish. After the second year transplant to a depth of 8 inches. When this Lily has developed a full size bulb it grows to a height of 3 to 4 feet and blossoms in July. Pkt. 50c.

## Marigold, French

### Tall Gold-Striped

This wonderful annual is of Scotch origination from a very special selection of prize flowers. Extra large blooms and well marked, coloring is wine and gold. Pkt. 25c.

## Chrysanthemum Japonicum

A new perennial Chrysanthemum from Japan blossoming 6 months from seed and continuing its growth year after year and then blossoming in the fall of the year. As one can see from the illustration the flowers are single in formation. The color range is practically every shade and hue known to plant life; words fail when it comes to describing this very beautiful late flowering perennial. Pkt. 25c.



French  
Marigold

Tall  
Gold-Striped



# Spencer Sweet Peas



Lady Gay

## Early Flowering Spencer

This early strain of Spencer Sweet Peas is a delightful acquisition in the garden, as they augment the other type in giving an earlier period of blooming. This is the strain for growing under glass by the florists. The five varieties we are herewith offering are the very newest strains that can be offered as they are all introductions of 1930.

**Lady Gay.** The most beautiful color in its class that has been introduced—a delightful shade of soft shrimp pink. In addition to its beautiful coloring its clear, fresh, crisp appearance immediately appeals to all who see it. Four blooms on long stiff stems and an excellent grower in the greenhouses. A 1930 introduction. Pkt., 15c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.

**Peaches.** A new shade of apricot-rose, with a touch of lemon in the keel. This is a popular variety under glass as well as in the garden. Extra long stems carrying four large blooms. A magnificent variety. Pkt., 15c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.

**Blue Bonnet.** This is a new extra fine deep blue, the color is evenly distributed without the slightest trace of mauve. By comparison with other blue varieties this one has no superior. Extra large blossom carrying four to very long stems. Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

**Majestic Rose.** Another new early flowering variety. In strength of growth, length of stem, size of bloom, this deep brilliant rose-pink Sweet Pea has no superior. Pkt., 20c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.

**Valencia.** The very finest bright orange, sun proof variety. A strong grower, large blossoms, throwing three and four on extra long stems. Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

**Mary Pickford.** A beautiful dainty cream pink with a faint suffusion of salmon making a delightful color combination hard to surpass. Flowers beautifully frilled, usually 4 to each stout stem. Pkt., 10c; oz., 35c.

**Miss California.** A distinct shade of rich salmon pink with standard and wings of precisely the same tone. The individual flowers are large and are borne in sprays of four on long, stout stems. Pkt., 10c; oz., 35c.

**Crimson King.** In color this outrivals all other crimson sweet peas. A rich solid clear crimson, stems average 16 to 18 inches long, bearing 3 or 4 large fine blooms. Pkt., 10c; oz., 30c.

**Mrs. Tom Jones.** A deep amethyst blue in color. Beautifully waved flowers are very large and are borne on stems generally 4 to a spray. Pkt., 10c; oz., 30c.

**Campfire.** The brightest, clearest and distinctly sunproof of all scarlet varieties. Flowers of fine size borne in profusion on plants of great vigor. Pkt., 10c; oz., 30c.

The Spencer Strain are the most beautiful in size, shape, color and fragrance of any of the Sweet Pea family. Flowers are borne abundantly all thru the summer. The more they are picked, the better they will bloom.

The following varieties are the outstanding creations within the last few years.



Crimson King

(See Front Cover)

**SUPERFINE MIXTURE OF SPENCER SWEET PEAS.** We have not spared expense or effort to secure the finest stocks of Sweet Peas and now offer a super blend that cannot be surpassed. This is made up entirely of the Spencer strain. The planting stock contains over 40 varieties including many of the named varieties we are listing. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.

**King White.** The king of all white Sweet Peas. The flowers are of gigantic size and perfect in finish. Absolutely pure white. Pkt., 10c; oz., 30c.

**Austin Frederick Improved.** A most pleasing shade of lavender. Flowers are of the largest size and are borne 4 to a spray on long stiff stems. Pkt., 10c; oz., 30c.

**Doreen.** Large rose carmine flowers. Because of its brightness it is very popular. Vigorous grower, bearing flowers of fine form on long strong stems. Pkt., 10c; oz., 30c.

**Hawlmack Cerise.** A beautiful bright salmon cerise, shade is specially affected under artificial light. Should be included in every collection. Pkt., 10c; oz., 30c.

## ECKFORD'S HYBRID LARGE FLOWERING SWEET PEAS

This is a very interesting strain of Sweet Peas, as they come in mottled and speckled colors as well as the clear tones. They make up beautifully in bouquets. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

## CULTURE

In the growing of Sweet Peas, plant them where they will get the morning sun only; by that we mean up to noon. In the preparation of the seed bed a trench should be dug about a foot deep, placing, if it is obtainable, about 4 inches of well rotted barnyard manure in the trench, covering this with about 3 inches of black dirt, then sow the seed, after soaking them over night, cover about 2 inches; after they have come through keep covering up until the trench is entirely filled. We also advise the use of NITRAGIN as an inoculator; this will bring about more luxurious growth and much heavier blooming. DO NOT train Sweet Peas on wire or chicken netting; this becomes too hot and will burn the tendrils of the plants and they will either be dwarfed or killed. Train them on brush or strings and your result will be much better.



Miss California

**Reflection.** This is the outstanding novelty in Sweet Peas for 1929. "Reflection" is a great improvement in the clear blue section in Sweet Peas. It is the result of a cross made for blueness and vigor. It is a robust grower with long, stout stems, usually having 4 well placed flowers on each. The flowers are bold, nicely waved, of large size and clear blue with only a slight trace of mauve in the young bud. Pkt., 15c; oz., 60c.

**Pinkie.** A rich deep rose-pink. It is a result of a cross made for vigor and color and the result is most outstanding. "Pinkie" is larger than any other variety we have ever seen blooming in the deep pink section. This is the outstanding novelty of 1928. The flowers are nicely waved and well placed on the stems. Pkt., 10c; oz., 35c.

**Purple Monarch.** This is a large, vigorous growing, purple Sweet Pea, the color is just a little deeper than the so-called Royal shade and the flowers have a beautiful velvety sheen. The flowers are large, well waved, and borne on long stems. The veins are vigorous and produce a wealth of fine blooms. Pkt., 15c; oz., 60c.

**Ravenswing.** A very deep black maroon Sweet Pea, and for depth of color it is quite remarkable. This variety is a strong grower and the flowers are borne on good stout stems. Pkt., 15c; oz., 60c.

**Prince of Orange.** A large, very deep orange variety. When well grown and shaded it is a luminous flame color. It is a deeper, richer and more brilliant orange than any other variety of this class. Blooms nicely, waved and well placed on good stems. Pkt., 10c; oz., 35c.

**Sunkist.** The ground is a clear rich cream and the picotee edging is clearly and cleanly defined. The flowers are large and bold, well waved and beautifully placed on good stout stems. Pkt., 10c; oz., 35c.

**Wembley.** A large light blue lavender, beautiful flower in form and shade. A vigorous grower. Makes a charming combination with pink and blue varieties. Pkt., 10c; oz., 30c.

**Hebe.** A fine large rose pink. Popular not only for its lovely clear color but on account of its vigorous growth and unusually long stout stems. Recommended for all gardens and exhibition. Pkt., 10c; oz., 30c.

1 pkt. each of the 17 varieties, \$1.50, or 1 oz. each of the 17 varieties for \$4.50.

**NITRAGIN**

When ordering, specify for  
Sweet Peas  
Garden Size, 25 Cents



# Shumway's Selection of Dahlias



Informal Decorative Dahlia

## Decorative Type

F.D.(FormalDecorative)—In.D.(InformalDecorative)

**Amun Ra.** (The Sun-God.) (F. D.) A gigantic flower. In color a blending of copper and bronze with orange and gold tints. This is one of the most sensational of the new Dahlias. The flowers keep for a long time when cut and last for an exceptionally long time when left on the plant. Each, 60c.

**Aztec Glory.** (In. D.) Clear picric yellow, deep massive flowers of most artistic formation carried on strong erect stems. Each, \$1.00.

**Bashful Giant.** (In. D.) An extremely large blossom, apricot in color, shading to a golden yellow. This variety is an excellent one for exhibition purposes. Each, 50c.

**City of Trenton.** (In. D.) It is impossible to adequately describe this Dahlia as far as its color tones are concerned. As near as we can do so, it is a glowing tangerine with the reversed side of the petals a crushed strawberry red. The petals curl gracefully giving a two toned effect and creating an impression of whirls or tongues of flame radiating from a full center. Without difficulty, but by proper disbudding this variety can be grown to 12 inches in diameter. Each, \$2.00.

**Jane Cowl.** (In. D.) A deep massive bloom of bronzy-buff and old gold blending darker towards the center. Blooms are 9 to 10 inches across. Strong stems hold this giant flower upright. This variety with its unique color is sure to please and take prizes wherever shown. Each, \$1.00.

**Eleanor Grant.** (F. D.) The outer petals are a light cameo-pink while the center is sea-foam green. The stems are very long and the blossoms last well when cut. Each, 50c.

**Elite Glory.** (F. D.) A rich, red decorative Dahlia which can usually be found with the prize winners. The blooms are massive with good substance on strong stems. Each, \$1.00.

**Gloriana.** (F. D.) A pure gold in color with slightly reddish tinge toward the center. The stems are long and leafless making it very desirable for bouquets. The plants grow about 4½ feet tall. Each, 35c.



Cactus Type Dahlia

THE following varieties shown in their respective classification were chosen as the outstanding varieties in our field planting of over 100 selected varieties.

**Dahlia Culture.** Dahlias will thrive in almost any soil, they grow their best, however, in a sunny location. Prepare the plot designated for Dahlias by spading 12 to 18 inches deep. If the soil is rather heavy add a shovelful of sand or wood ashes. Set the Dahlia tuber in a hole prepared about 5 to 6 inches deep with the eye up, cover three inches, then, as the plant shows growth, keep covering up until the soil is level. Always plant divisions, never the clumps. In separating the Dahlia clumps be sure that a part of the neck which attaches to the old stalk is taken, this part should contain an eye or two. NEVER USE FERTILIZER AT PLANTING TIME.

When the Dahlias begin to bloom fertilizer may be applied, particularly one strong in potash. Water well at least twice a week. Disbudding, by that we mean to pinch off the smaller buds, allowing one to the laterals, this will produce larger blooms.

## Plant Dahlias After All Danger of Frost Is Past

### DAHLIAS AS A CUT FLOWER

The Dahlia makes one of the ideal cut flowers if handled in the following manner. Cut early in the morning and hold the end of the stem in boiling hot water for ½ minute or burn over a flame for the same period; then place the blooms in a container of ice cold water extending over half way up the stem. Allow them to remain in this manner for two hours, then arrange in bouquets as you may desire. Change water daily. Cut Dahlias so cared for will hold up for 5 days to a week.

**Jersey's Beacon.** (F. D.) The color is Chinese scarlet with a buff reflex, giving a two tone effect. This is a free, early bloomer of massive proportion with sturdy stems, blooms 9 inches across. Each, 60c.

**Jersey's Beauty.** (F. D.) Without doubt the most talked of Dahlia during the past season. A perfect bloom of erosine-pink, the blossom is carried well above the foliage on long wiry stems. It is in a class by itself, a perfect true pink. It is a wonderful keeper when cut, therefore an exceptionally fine exhibition variety. Each, 75c.

**Jersey's Sovereign.** (In. D.) Blooms 7½ inches in diameter. A variety that deserves space in any collection. A beautiful shade of salmon-orange, good grower and early bloomer. Each, 75c.

**Millionaire.** (In. D.) A very large bloom, 9 inches across. Lavender-pink tinting to white at the center. Each, 50c.

**Mrs. Carl Salsbach.** (F. D.) Another exceptionally fine pink variety. A strong vigorous grower. The blossoms are carried well above the foliage and last a long time when cut. Each, 50c.

**Mrs. I. de Ver Warner.** (F. D.) This is one of the best known of the recent introductions. A refined mauve-pink in color. Beautifully formed and carried on long strong wiry stems. An excellent producer of quantities of blooms, continuing until the end of the season. We consider this one of the best in its color. Each, 50c.

**Oregon Beauty.** (F. D.) A variety of remarkable size and beautiful coloring, oriental red with golden sheen and garnet suffusion, this making it stand out very prominently in the garden. Each, 50c.

**Patrick O'Mara.** (F. D.) This is one of the freest bloomers and one of the old standbys for cut flowers. A pleasing shade of orange-buff slightly tinged with rose-pink. Each, 50c.

**Paul Michael or California Gold.** (In. D.) Blooms 10 inches across. This variety has been awarded a prize twice for the largest Dahlia in the California shows. In color it is a rich pure gold or deep orange. It is an early and continuous abundant bloomer. The plants are strong and of medium height. Ideal for the garden. Each, 75c.

**Katherine Wilcox.** (F. D.) One of the largest blooms of this type. Beautifully quilled, claret red at the tips with the quills toward the base pure white. This is one of the most uniform varieties and very fine for cut flowers. Each, 35c.

**Robert Treat.** (F. D.) Blossoms 9 inches across. This Dahlia is similar in color to the American Beauty Rose. Flowers are produced freely on long erect stems. A strong, healthy grower. Each, 75c.

**Roman Eagle.** (F. D.) Blossoms 10 inches across. A winner in the shows. An uncommon autumn shade of burnished copper. Each, \$1.00.

## Cactus and Hybrid Cactus

**Bride's Bouquet.** The outstanding pure white Dahlia of this type. The stems are very long, making it particularly desirable for use in bouquets. Each, 35c.



Formal Decorative Dahlia

**Emma Marie.** A pleasing shade of clear pink with a creamy white center. It is a robust grower producing deep full centered blossoms. Each, 75c.

**J. H. Jackson.** All lovers of Dahlias should grow this variety. It is a deep velvety-maroon and very large for the Cactus type, in fact it is gigantic in size. Grows 4½ feet tall. Each, 35c.

**George Walters.** (H. C.) A Dahlia of gigantic size, the largest of this type. Its color is a beautiful shade of salmon-pink artistically blending to old gold; produced on long stems well above the foliage. Each, 75c.

**Kalif.** (H. C.) A rich deep glowing scarlet, majestic flower, perfect for exhibition or garden purposes. This variety is one of German importation. Each, 50c.

**Jersey's Mammoth.** A monster Dahlia of this type. The color is a rich golden mahogany. This variety has won first prizes at many of the shows for the largest flower. If you want a winner grow this one. Each, \$1.00.

## Show Fancy Dahlias

**A. D. Livoni.** A beautiful soft pink with perfectly quilled petals. Each, 25c.

**Maude Adams.** A very profuse bloomer carrying the blossoms on good stems. The color is a pure snow white overlaid with a well defined delicate pink. Each, 35c.

**Storm King.** Pure white and a very free flowering variety. Blooms early and continues throughout the season. The flowers are produced on strong stems. Each, 30c.

**Anna Rehorst.** A beautiful show Dahlia of rich purple in color carried on a strong stem. Each, 30c.

**Miss Ellen Hollis.** Large, bright red with uniformly quilled petals. One of the best, always full at the center. Each, 30c.



Show Dahlia



**ALICE TIPLADY**

Orange, a beautiful bloom. Each, 7c; ½ doz., 35c; doz., 65c.

**ANNA EBERIUS**

Deep velvety purple, throat Bordeaux purple. Flowers carried on strong stems. Each, 10c; ½ doz., 50c; doz., 90c.

**ARIZONA**

Dark pink, maroon markings on lower petals. Each, 7c; ½ doz., 35c; doz., 65c.

**\*A. W. HUNT**

Large flowers well placed on a tall stalk. This is the best orange-red variety. Each, 10c; ½ doz., 55c; doz., \$1.00.

**BARON JOS. HULOT**

Deep violet blue, lighter lines in throat. Each, 10c; ½ doz., 50c; doz., 90c.

**\*BENGAL TIGER**

A peculiar dull red, with dusky, bluish-gray stripes; a very striking variety. Each, 12c; ½ doz., 60c; doz., \$1.10.

**\*BETTY NUTHALL**

This variety is mentioned by some as being the glory of the garden. The plants are tall and vigorous, bearing long graceful stalks. The color is new to the Gladiolus—light coral with pale orange throat and a feathering of carmine. The individual flowers are often 6 inches across. Often 8 blooms open at one time. Each, 50c; 3 for \$1.35; ½ doz., \$2.50.

**BLUE JAY**

Large flowers of bright blue with pure white spots in the throat. One of the bluest of "glads." Each, 12c; ½ doz., 70c; doz., \$1.25.

**\*BYRON L. SMITH**

Lavender pink, delicate yellow blotch on lower petals. One of the finest gladioli. Each, 10c; ½ doz., 45c; doz., 90c.

**\*CAPTAIN BOYNTON**

A beautiful lavender with deeper shade blotch on lower petals; perfectly placed large flowers on tall strong stems. One of the wonder Gladiolus. Each, 10c; ½ doz., 55c; doz., \$1.00.

**\*CARMEN SYLVA**

Snow-white, large flowers well placed on a perfectly straight tall stem. An extra fine cut flower variety. Each, 10c; ½ doz., 45c; doz., 80c.

**CATHRINA**

Beautiful grayish light blue, lower petals deeper blue with brownish red spot. Each, 10c; ½ doz., 55c; doz., \$1.00.

**CHATEAU THIERRY**

A fine spike with enormous wide open scarlet-red flowers, with carmine stripe on creamy ground on lower petals. Each, 10c; ½ doz., 45c; doz., 80c.

**CRIMSON GLOW**

Brilliant crimson, extra large flowers, tall spike. Each, 10c; ½ doz., 50c; doz., 90c.

**\*DIANA**

Considered by Gladiolus fanciers the best red up to the present time, it is a rich bright red and a bloom of exceptional quality. Each, 10c; ½ doz., 50c; doz., 90c.

**\*E. J. SHAYLOR**

A beautiful deep rose-pink; one of the best ruffled varieties. An excellent cut flower, many blooms open at one time. Each, 10c; ½ doz., 45c; doz., 80c.

**\*DR. F. E. BENNETT**

Peach-red overlaid with flame-scarlet, throat speckled with ruby and creamy-white. Very large flowers of great substance, many open at one time on strong stalks. A very sturdy grower. Each, 12c; ½ doz., 65c; doz., \$1.25.

**\*EARLY SUNRISE**

Deep orange-salmon with yellow blotch on lower petals; very early. One of the most beautiful in this color. Large blossoms. Each, 10c; ½ doz., 55c; doz., \$1.00.

# Gladiolus Bulbs



MR. W. H. PHIPPS GLADIOLUS



MARTHA WASHINGTON

## Superfine Mixtures (Extra Choice)

We grow our own Gladiolus bulbs consisting of close to 200 varieties. From this production of named varieties we have an accumulation of bulbs which we mix thoroughly and plant, producing, as one can readily understand, a super mixture. The smaller size mixtures we are listing are just the thing for people who wish to produce stock whereby they are to sell the blooms or to get into an excellent mixture for resale of bulbs. We have, therefore, a range of 3 mixtures of Gladiolus bulbs as follows:

**Superfine Mixture "A"** (Bulbs first size 1½ inch up in diameter). ½ doz., 30c; doz., 50c; 25—85c; 50—\$1.60; 100—\$3.00; 1000—\$26.50.

**Superfine Mixture "B"** (Bulbs ¾ inch to 1¾ inch in diameter). All will bloom the first year. ½ doz., 20c; doz., 35c; 25—65c; 50—\$1.25; 100—\$2.35; 1000—\$20.00.

**Superfine Mixture "C"** (Bulbs ½ inch to ¾ inch in diameter). 60% will bloom the first year. Minimum quantity—100 for 75c; 1000—\$6.50 and 500 at the 1000 rate. (All prepaid.)

**NOTICE**—All quantities of bulbs are quoted Parcel Post or Express charges prepaid. Named varieties are offered in first size only 1½ in. up in diameter.

## GLADIOLUS CULTURE

No garden today is complete without a generous planting of them; starting shortly after the first of April, successive plantings can be made up to June 15th. This is true in the latitude of Northern Illinois. Farther South of course the plantings can be extended over a wider range of time.

We suggest that you buy your Gladiolus in named varieties so that you will learn to know them as you know people—this would be an asset; or if you wish to at any time take part in any Gladiolus show that is being given, you would have your entries of known varieties, which is essential. Do not think that it is necessary to be a big producer of bulbs to be able to have varieties that would be prize winners. Just have a range of varieties in the colors and there is no doubt but what you would be amply repaid for your effort in having a blue ribbon attached to some specimen you might show. Furthermore, whether you wish to show or not, the joy of having the varieties and knowing them brings about considerable pleasure.

As heretofore stated start your plantings about April 1st, setting the bulbs 4 to 5 inches deep in almost any type of garden soil. Naturally the richer the soil the larger your flower stalks and more vigorous your plant resulting in a reestablishment of bulbs for the following year.

We only offer for sale what is known as first size in named varieties, by that we mean, bulbs that are 1½ inch and up in diameter.

The varieties marked with an asterisk \* we wish to call to your attention. While all varieties listed are of particular importance those so marked we believe to be of exceptional merit. The varieties we have boxed in are of the very newest introductions.

**\*EDITH MASON**

A beautiful delicate geranium-pink well arranged on a spike 5 feet tall, the petals are slightly recurved. 8 to 12 blossoms open at one time. In addition to being a Gladiolus of exceptional merit it is very early. Each, 35c; 3 for \$1.00; ½ doz., \$1.75.

**DISTINCTION**

Dark violet, very tall spike. Each, 10c; ½ doz., 45c; doz., 80c.

**\*FAIR COLUMBIAN**

Tall, vigorous plant with large, fine, showy lilac blossoms with deeper colored throat. Each, 10c; ½ doz., 55c; doz., \$1.00.

**\*GIANT NYMPH**

Light rose-pink with creamy yellow throat; very large wide open flowers, well arranged on long stems, grows 5 to 6 feet tall. Each, 12c; ½ doz., 70c; doz., \$1.00.

**\*GOLDEN MEASURE**

The best yellow variety, very large, deep golden in color with the blooms slightly ruffled. This variety grows exceptionally tall. Each, 10c; ½ doz., 55c; doz., \$1.00.

**HERADA**

Large blooms on a tall straight spike. Pure mauve as main color with lavender and lilac markings. Each, 10c; ½ doz., 45c; doz., 80c.

**\*JOE COLEMAN**

An outstanding large rich red Gladiolus, ruffled edge. Each, 12c; ½ doz., 50c; doz., 95c.

**\*J. A. CARBONE**

Iridescent orange-salmon shaded darker towards the edges, center yellow; large flowers well placed on long stems. An extra choice variety. Each, 15c; ½ doz., 80c; doz., \$1.50.

**\*KIRCHOFF'S VIOLET**

A deep, rich, velvety violet, large flowers well placed on the stem. One of the most beautiful Gladiolus in its color. Each, 20c; ½ doz., \$1.10; doz., \$2.00.

**\*LOS ANGELES**

Known on the West Coast as a cut and come again. The bulbs usually produce in this part of the country 3 stalks. Shrimp-pink with orange-carmine throat. The color scheme is very pleasing and greatly admired by all who have seen it. A variety of individuality. Each, 10c; ½ doz., 50c; doz., 90c.

**MAJESTIC**

Fine orange pink, large flowers, distinct variety. Each, 10c; ½ doz., 45c; doz., 80c.

**\*MARIE KUNDERD**

Pure white with almost invisible pink lines in center of the lower petals. Very finely ruffled and early. Each, 12c; ½ doz., 65c; doz., \$1.25.

**\*MARMORA**

An interesting Gladiolus of the most unusual color, lavender-gray with petunia colored blotch; the arrangement on the stalk is perfect, 8 or more blossoms at one time. Each, 35c; 3 for \$1.00; ½ doz., \$1.75.

**MARY PICKFORD**

Delicate creamy white with yellow blotch, very early. Each, 10c; ½ doz., 45c; doz., 80c.

**\*MARTHA WASHINGTON IMPROVED**

An exceptionally tall vigorous grower. The best description we can give of its color is to liken it to the Martha Washington Geranium. A very choice variety, will take the prize at any Gladiolus show. Each, 20c; ½ doz., \$1.10; doz., \$2.00.

**\*MR. W. H. PHIPPS**

La France Pink, overlaid with salmon-rose lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers perfectly placed on gigantic stems. 15 to 20 open at one time. A super variety. Each, 15c; ½ doz., 80c; doz., \$1.50.

**FRANCIS KING, MRS.**

Salmon red, a fine flower. Each 8c; ½ doz., 35c; doz., 65c.

**\*FERN KYLE**

Large ruffled creamy-white flowers, many blooms open at one time on a long strong stem. A highly refined variety. Wherever shown it has brought expressions of wonderment. This variety was introduced at \$25.00 per bulb, now offered at 15c each; ½ doz., 80c; doz., \$1.50.



**\*MRS. DR. NORTON**

Silver white blossoms, tips of petals marked crab apple pink. A dainty flower. Each, 10c; ½ doz., 45c; doz., 85c.

**\*MRS. FRANK PENDLETON**

Large pink flowers with deep carmine blotch. Each, 8c; ½ doz., 35c; doz., 60c.

**\*MRS. FREDERICK C. PETERS**

Resembling an Orchid in color. A beautiful shade of rose-lilac with crimson blotch. Flowers are very large and many open at one time borne on a long stalk. Each, 10c; ½ doz., 55c; doz., \$1.00.

**\*MRS. LEON DOUGLAS**

Begonia-rose striped with flame-scarlet, lower petal pale lemon speckled ruby. Extremely large flower, many open at one time. Very tall, strong stem with several side shoots, the whole forming a gigantic bouquet. This is considered the largest Glad in existence. Each, 12c; ½ doz., 60c; doz., \$1.10.

**\*MRS. VON KONYNENBURG**

An introduction from Holland. This variety comes nearest to a true blue of any Gladiolus grown. A robust grower with 6 to 7 flowers open at one time. Each, 50c; 3 for \$1.35; ½ doz., \$2.50.

## Gladiolus Bulbs

**MYRTLE**

A very fine pink blending into a deeper pink. Each, 8c; ½ doz., 45c; doz., 85c.

**MYSTIC**

An exceptionally early clear pink variety. Each, 8c; ½ doz., 40c; doz., 75c.

**NIAGARA**

Creamy yellow. Each, 8c; ½ doz., 40c; doz., 75c.

**ODIN**

Deeper than Prince of Wales, larger flowers, small deep red spot on lower petals. Each, 10c; ½ doz., 45c; doz., 80c.

**\*ORANGE GLORY**

Ruffled flowers, orange, lighter throat, large flowers. Each, 12c; ½ doz., 55c; doz., \$1.00.

**ORANGE QUEEN**

An apricot-orange primulinus hybrid. Beautiful wide open flowers of excellent substance. Each, 10c; ½ doz., 50c; 1 doz., 90c.

**\*PEACH ROSE**

A wonderful variety. Extra choice in its color of deep rose-pink with rose-red blotches in the throat. Each, 12c; ½ doz., 55c; doz., \$1.00.

**\*PEARL OF CALIFORNIA**

This is one of the finest of the new Gladiolus. Flowers of great size of a beautiful clear La France pink. Specimens have been seen with 12 open flowers and 20 buds on the same spike. Each, 50c; 3 for \$1.35; ½ doz., \$2.50.

**\*PAUL PFITZER**

An extra choice variety, good spike and very showy. Its color is iris purple with a glowing velvety-violet center. Each, 25c; ½ doz., \$1.30; 1 doz., \$2.50.

**PINK LILY**

Another beautiful ruffled variety, delicate pink in color. Each, 12c; ½ doz., 65c; 1 doz., \$1.25.

**\*PINK WONDER**

La France pink, shading to pale pink in the throat, with yellow reflex at the base of the lower petals; very large flower. Each, 12c; ½ doz., 55c; doz., \$1.00.

**\*ROMANCE**

Orange-rose, red and yellow throat, wine-blue bordered petals; an unusual, beautiful variety. Each, 10c; ½ doz., 50c; doz., 90c.

**PRINCE OF WALES**

Delicate salmon. A great number of flowers open at one time. Each, 8c; ½ doz., 40c; doz., 75c.

**\*PURPLE GLORY**

Velvet maroon, ruffled flowers. A wonderful spike. Each, 15c; ½ doz., 70c; doz., \$1.25.

**ROSE GLORY**

Another ruffled rose-pink variety. Each, 12c; ½ doz., 55c; 1 doz., \$1.00.

**\*THOMAS EDISON**

Large salmon-orange wide open flowers on strong stems. Exceptionally early. Each, 15c; ½ doz., 70c; doz., \$1.25.

**\*VIOLET GLORY**

Very large flowers deep violet in color with deeper shade in the throat, medium ruffled. Each, 15c; ½ doz., 80c; doz., \$1.50.

**WHITE GIANT**

Enormous snow white blossoms on tall majestic stems. The petals are pointed and spreading, giving the flowers a lily-like appearance. Each, 12c; ½ doz., 60c; doz., \$1.10.

**1910 ROSE**

Very large flower of pure rose pink; white center lines on the lower petals. Each, 8c; ½ doz., 40c; doz., 75c.

## Shumway's Large Flowering Cannas

Cannas are one of the most effective plants for our garden and give a delightful effect for a small expenditure. Their blooming period is from early summer until frost in all parts of the country. They are sunloving plants and will thrive in almost any soil but will respond to a liberal use of well rotted manure and generous watering.

Cannas are most effective when planted in mass of one variety in a bed or when planted here and there in the background of mixed borders; so arranged their long blooming season assures a continuous display of color. Again they are quite effective when used as a hedge or as a background.

Two to Three-eye Roots. Plant 18 Inches Apart

**King Humbert.** (4 ft.) The flowers are scarlet in color and the leaves are bronze. This variety has been a sensation in the Canna family for the last 10 to 12 years. A free bloomer and exceptionally fine tropical foliage.

**Yellow King Humbert.** (4 ft.) Considered the best yellow Canna. An orchid flowering sport of King Humbert. The petals are 3 to 3½ inches in diameter, 7 inches long, slightly blotched with bright red, foliage dark green.

**The President.** (4 ft.) Rich glowing scarlet flowers 7 inches across when fully opened. The strong erect stalk carries the flowers well ahead of the heavy green foliage. A strong growing variety and free blooming.

**Eureka.** (4 ft.) A free flowering white variety. When the blossoms appear they are cream. This variety planted with King Humbert makes a very delightful contrast. Green leaves.

**City of Portland.** (3½ ft.) A deep pink variety holding its color well during hot weather. Foliage green and this variety carries its flowers well above the foliage. This is one of the worth-while pink varieties.

**Wyoming.** (6 ft.) Bronze leaved. This is the best orange-yellow variety. This variety has bronze-purple foliage and immense flowers.

All varieties, each, 15c; 3 for 40c; 6 for 75c; 1 doz., \$1.40; 25—\$2.60, postage paid.



## Lilies for Spring Planting

**LILIUM AURATUM**

(The Gold-Banded Lily of Japan)

This is the most beautiful of the Lilies. Very large, glistening white flowers, thickly studded with crimson spots, while through the center of each petal runs a clear golden yellow band. Thrives best in locations where the lower portion of the plant is shaded, as among Peonies or other low-growing perennials. Perfectly hardy with ordinary protection. Mammoth bulbs, 10-13 inches. 45c each; \$2.50 per 6; \$4.75 per 12.

**LILIUM SPECIOSUM RUBRUM**

The Speciosum varieties are probably the most popular Lilies grown, bearing flowers of a most delicate beauty in August. Wonderful for perennial borders. When fully open these beautiful blooms are a gorgeous sight, the petals curving back to the stem, exposing the rose and crimson markings. Mammoth bulbs, 11-13 inches. 40c each; \$2.00 per 6; \$4.00 per 12.



LILIUM AURATUM

**HANSONI**

The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Plant in semi-shade. Each, 40c; 3 for \$1.15; 12 for \$4.00.

**HENRYI**

A very beautiful Lily from Central China, growing four to eight feet, and often carrying twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best Lilies for general culture, hardy, robust, long lived, growing in almost any soil and situation, although it requires good drainage. Each, 45c; 3 for \$1.25; 12 for \$4.75.

**LONGIFLORUM**

(Hardy Easter Lily)

Large, white, trumpet-shaped flowers; very fragrant. Perfectly hardy. Three feet tall. Blooms in June. Each, 45c; 6 for \$2.50; 12 for \$4.75.

**MARTAGON**

(European Turk's Cap)

A hardy, robust Lily coming from the land of the tango. It attains the height of three feet, often carrying, when established, 20 to 30 purple flowers spotted purplish black. Blooms in June and July. Each, 30c; 3 for 75c; 12 for \$2.75.

**PHILADELPHICUM**

(Wild Red Lily)

Our most beautiful native Lily, the best specimens of which are usually found growing wild. The flowers are 3 to 4 inches in diameter, produced 1 to 5 on a stem, 1 to 3 feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple with red anthers. Blooms during June and early July. Each, 15c; 6 for 80c; 12 for \$1.50.

**REGALE**

Another beautiful Lily from Tibet, China. Blossoms are white shaded to yellow in the center and a pink tinge on the outer edge. Sweet scented. Grows 3 to 4 feet high. Very hardy after once established. Large bulbs, each, 40c; 6 for \$2.25; 12 for \$4.00.



LILIUM SPECIOSUM RUBRUM

**SUPERBUM**

(American Turk's Cap)

The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid Lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Height 3 to 8 feet. Each, 20c; 3 for 50c; 12 for \$2.00.

**TIGRINUM FLORA PLENO**

(Double Tiger Lily)

This is the well known Lily; color a rich orange; flower stalks about 4 feet tall. Each, 25c; 6 for \$1.25; 12 for \$2.25.

**TENUIFOLIUM**

(Siberian Coral Lily)

The lovely Coral Lily of Siberia. The brightest of all Lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms early. Each, 30c; 3 for 80c; 12 for \$2.75.



LILY OF THE VALLEY

These beautiful little flowers should have a place in every garden. Considered the daintiest of our spring flowering plants. Roots or pips, 6—25c; 12—45c; 50—\$1.65; 100—\$3.25.



CALADIUM BULBS

A magnificent and tropical-looking plant for the lawn. It is sometimes called Elephant Ear owing to the appearance of its massive leaves. Give them a rich, light sandy soil if possible, with plenty of moisture. Mammoth bulbs each, 25c; ½ doz., \$1.15; doz., \$2.15.



Lily of the Valley



DOUBLE PEARL TUBEROSE BULBS

These are beautiful, sweet scented flowers, and are very finest for the house as well as the garden. The bulbs can be started indoors early and set in open ground when warm. Three for 20c; ½ dozen, 36c; dozen, 65c.

BULB CATALOG

Our fall catalog of bulbs will be ready for distribution about the middle of August. If you are interested in tulips, hyacinths, crocus, narcissus, peonies, iris and lilies, don't fail to have a copy mailed you.

As a suggestion when you send in your order for seed, request a fall catalog, making this request on a separate slip of paper, with your name and address, and as soon as the catalogs are off the press, one will be mailed you.

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# R. H. SHUMWAY, SEEDSMAN

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R. F. D. _____ BOX _____	
POST OFFICE _____	
COUNTY _____ STATE _____	
SEND BY _____	
SHIPPING POINT _____	
NAME OF EXPRESS OR FREIGHT OFFICE IF DIFFERENT FROM POST OFFICE _____	

*[ All seeds and bulbs are sold according  
to our policy, expressed under Fore-  
word on page one of our catalogue. ]*

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LILY OF THE VALLEY

These beautiful little flowers should have a place in every garden. Considered the daintiest of spring flowering plants. Roots or pips, 6 12—45c; 50—\$1.65; 100—\$3.25.



CALADIUM BULBS

A magnificent and tropical-looking plant for the lawn. It is sometimes called Elephant Ears because of the appearance of its massive leaves. They require a rich, light sandy soil if possible and plenty of moisture. Mammoth bulbs each 1/2 doz., \$1.15; doz., \$2.15.

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## LILY OF THE VALLEY

These beautiful little flowers should be in every garden. Considered the daintiest of the spring flowering plants. Roots or perennials. 12—45c; 50—\$1.65; 100—\$3.25.



CALADIUM BU

A magnificent and tropical-looking lawn. It is sometimes called "Mammot" because of its resemblance to the appearance of its mother. It has a rich, light sandy soil and plenty of moisture. Mammot 1/2 doz., \$1.15; doz., \$2.15.

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